

## जयपुर विकास प्राधिकरण, जयपुर

रूम नं. जे.बी. एफ.एफ. 114, कोर्ट भवन,  
इन्दिरा सर्किल, जे.एल.एन. मार्ग, जयपुर-302004  
दूरभाष :+91-141-2569696, ई-मेल : Cpgupta.jda@rajasthan.gov.in

क्रमांक: जविप्रा/अधि.अभि. (विद्युत- I)/जॉब नं. 80/2023-24/डी-916

दिनांक: 26.07.2023

### बिड आमंत्रण सूचना

बिड संख्या-13/2023-24

जयपुर विकास प्राधिकरण द्वारा “**Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur**” जिसकी अनुमानित राशि रु. 2160.12 लाख के लिए ऑनलाईन बिड्स दिनांक 16.08.2023 सायंकाल 6:00 बजे तक आमंत्रित की जाती हैं। निविदा बोली का ऑनलाईन आवेदन व भुगतान जयपुर विकास प्राधिकरण पोर्टल पर करने की अन्तिम तिथि 16.08.2023 को सायंकाल 6.00 बजे तक हैं। निविदा बोली के दस्तावेजों का विस्तृत विवरण [www.sppp.rajasthan.gov.in](http://www.sppp.rajasthan.gov.in), [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in) पर देखा जा सकता है।

### **UBN No.**

निविदा में भाग लेने वालों को निम्न शर्तों की पूर्ति करनी होगी:-

1. निविदादाता जयपुर विकास प्राधिकरण की वेबसाइट [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in) पर पंजीकृत हो एवं निविदा में भाग लेने के लिए बोलीदाता को आवेदन करने के लिए दस्तावेज शुल्क, अमानत राशि, आर.आई.एस.एल. प्रोसेसिंग शुल्क ऑनलाईन जमा करनी होगी।
2. ऑनलाईन निविदा प्रस्तुत करने के लिए निविदादाताओं का राजस्थान सरकार के ई-प्रोक्यूरमेंट पोर्टल [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) पर पंजीकृत हो।

अधिशायी अभियन्ता-(विद्युत- I)  
जविप्रा, जयपुर।

# JAIPUR DEVELOPMENT AUTHORITY

Room No. JB FF 114, Court building,  
Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004  
Telephone No. : 91+141-2569696, E-Mail : Cpgupta.jda@rajasthan.gov.in

No:- JDA/EE-(Elect.-I)/Job No. 80/2023-24/D- 916

Dated: 26.07.2023

## NOTICE INVITING BID

**NIB No. : 13/2023-24**

Online Bids are invited up-to 6.00 PM of 16.08.2023 for "**Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur**". Estimated cost of Rs. 2160.12 Lacs. The last date for applying bid and making online payment on JDA portal is up to 6.00 PM dated 16.08.2023. Details may be seen in the Bidding Document at our office or the website of State Public Procurement Portal website [www.sppp.rajasthan.gov.in](http://www.sppp.rajasthan.gov.in), [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in).

### **UBN No.**

To participate in the bid, bidder must:

- A. Participate in Tender & Deposit Payment on 'Online Tender Participation' Portal of JDA at <https://jda.urban.rajasthan.gov.in/jda> or by Single-Sign-On at <http://service.jaipurjda.org>.
- B. Submit e-Bid on 'e-Procurement Portal' of GOR at [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in)

**Executive Engineer-(Elect.-I)  
JDA, Jaipur**

## JAIPUR DEVELOPMENT AUTHORITY

Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur -302004  
Telephone: +91-141-2569696 e-mail: Cpgupta.jda@rajasthan.gov.in.

No. JDA/E.E (Elect.-I)/2023-24/D- 916

Date: 26.07.2023

### NOTICE INVITING BID

**NIB No. : 13/2023-24**

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name &amp; Address of the Procuring Entity</b>                                   | <ul style="list-style-type: none"> <li>➤ Name: Executive Engineer (Elect.-I), Jaipur Development Authority</li> <li>➤ Address: Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Subject Matter of Procurement</b>                                                | <ul style="list-style-type: none"> <li>➤ <b>Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set &amp; Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur.</b></li> <li>➤ <b>80/2023-24</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Bid Procedure</b>                                                                | Pre-bid qualification Method (Two Part Bid System), open comparative.<br>e-Bid procedure at <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Bid Evaluation Criteria (Selection Method)</b>                                   | ➤ Pre-bid qualification Method (eg. Least Cost Based Selection (LCBS)-L1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.</b>    | ➤ Websites: <a href="http://www.sppp.rajasthan.gov.in">www.sppp.rajasthan.gov.in</a> , <a href="http://www.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</a> , <a href="http://www.eproc.rajasthan.gov.in">www.eproc.rajasthan.gov.in</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Estimated Procurement Cost</b>                                                   | ➤ <b>INR Rs. 2160.12 Lacs (Rs. Twenty One Crore Sixty Lacs Twelve Thousand only)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Website for online Bid application and payment *</b>                             | <ul style="list-style-type: none"> <li>➤ Website: <a href="http://www.jaipurjda.org">www.jaipurjda.org</a></li> <li>➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee &amp; Bid Security Deposit online only.               <ul style="list-style-type: none"> <li>○ Bidding document fee: Rs. 2500/- (Rupees Two Thousand Five Hundred only)</li> <li>○ RISL Processing Fee: Rs. 2500/- (Rupees Two Thousand Five Hundred only)</li> <li>○ Requisite Bid Security Deposit.</li> </ul> </li> <li>○ The Bidders are required to submit Bid security, cost of Bidding documents, and Bid processing fees through online payment after registering with JDA on <a href="http://www.jaipurjda.org/e-services/e-tender">www.jaipurjda.org/e-services/e-tender</a> portal. There should be a gap of 3 working days between the End date for Bid Applying, Online Payment &amp; Bid Submission and Bid Opening date. In the absence of the requisite fee, the bid of the concerned bidder will be considered as non-responsive and shall be liable for rejection.</li> </ul> |
| <b>Bid Security Deposit (in favor of Secretary, JDA, Jaipur)</b>                    | <ul style="list-style-type: none"> <li>➤ Amount (INR: 2% (Rs 43,20,240.00/-) For E-I class contractors registered in the appropriate class with CPWD, Postal, Telegram, Railway, MES, Other State Government/Central Government undertakings/organizations of Estimated Procurement Cost. (The bidder must capable to bid in the bid as per their enlistment).</li> <li>➤ 0.5 % (10,80,060.00/-) for Bidder registered as a contractor in the E-I class in JDA.</li> <li>➤ In case of Departments of the State Government and undertakings, Corporations, Autonomous bodies, Registered Societies, Cooperative Societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government shall submit a bid securing declaration in lieu of bid security.</li> </ul>                                                                                                                                                                                                                                                                                                                    |
| <b>Start/End Date for Bid Applying bid and making online payment on JDA portal*</b> | <ul style="list-style-type: none"> <li>➤ Start Date: 27.07.2023 at 9.30 AM onwards</li> <li>➤ End Date: 16.08.2023 at 06.00 PM</li> <li>➤ In case EMD in form BG original bank guarantee is to be submitted in room no MBSF Room no. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur up to 21.08.2023 at 05.30 PM (within three working days from the last date of submission of bid.)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Bid submission on e-procurement portal of GOR*</b>                               | <ul style="list-style-type: none"> <li>➤ Start Date: 27.07.2023 at 9.30 AM onwards</li> <li>➤ End Date: 16.08.2023 at 06.00 PM</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Date/time/place of Pre-Bid</b>                                                   | ➤ 02.08.2023 at 5.00 PM in Manthan Hall, JDA Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                                   |                                                                                                                                                |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | ➤ Pre-Bid Queries will be accepted on E-mail :-Cpgupta.jda@rajasthan.gov.in up to dated 01.08.2023 till 05.00 PM                               |
| <b>Date/ Time/ Place of Technical Bid Opening</b> | ➤ 22.08.2023 at 11.00 AM, Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004 |
| <b>Date/ Time/ Place of Financial Bid Opening</b> | ➤ Will be intimated latter to the technically qualified bidders.                                                                               |
| <b>Bid Validity</b>                               | ➤ 120 days from the bid submission deadline                                                                                                    |
| <b>Time Period</b>                                | ➤ 07 Months                                                                                                                                    |
| <b>Job No.</b>                                    | ➤ JDA/EE-Electrical I/ A & F/2023-2024/May/080 Dated : 18/05/2023                                                                              |

## **Procedure for bidding:**

### **Single part bid system:**

Single part (Two-envelope) (2 docket) system would be adopted, Docket-1 being for Documents and Docket-2 being for Financial Bid.

Docket-1:- is for proof of deposition of Bid Security, cost of bidding document and bid processing fee along with copy of GST registration, signed Annexure “B” and copy of enlistment as contractor/ bidder in required category.

Docket-2:- is for financial bid.

The financial bid will be opened only for bidders whose proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in the required category, signed Annexure “B” are found to be in order. Bid Security will be accepted only in the form of online deposition or in the form of Bank Guarantee.

### **1. Two part bid system:**

Two part (Two-envelope) (2 docket) system would be adopted, Docket-1 being for Technical Bid and Docket-2 being for Financial Bid.

Docket-1:- There will be three separate folders- Folder-1 is for proof of deposition of Bid Security, cost of bidding document and bid processing fee along with copy of GST registration, signed Annexure “B” and copy of enlistment as contractor/ bidder. Folder-II is for bid document and folder-III is for technical bid.

Docket-2:- There will two separate folders-1 is for financial bid and 2 is for bill of quantities.

The technical bid will be opened only for bidders whose proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in the required category and signed Annexure “B” are found to be in order. Bid Security will be accepted only in the form of online deposition or in the form of Bank Guarantee.

**Executive Engineer (Elect.-I)**  
**JDA, Jaipur**

## **SCHEDULE AND SPECIFICATIONS**

### **SCHEDULE – A: INFORMATION USEFUL FOR THE CONTRACTORS:**

The bidder should see the site and fully understand the conditions of the site before bidding and include all leads, lift etc for the material in his item rate/percentage to be quoted on the rates given in Schedule 'G'. The work shall be carried out in accordance with the Rajasthan PWD detailed specification and to the entire satisfaction of the Engineer – In – Charge of the work.

### **SCHEDULE – B: LIST OF THE DRAWING TO BE SUPPLIED BY THE DEPARTMENT**

The drawing may be seen in the office of the undersigned.

**SCHEDULE – C: LIST OF THE DRAWING TO BE SUPPLIED BY THE CONTRACTOR:** List of the drawing to be supplied by the contractor NIL. But the contractor shall have to arrange at his own cost drawings required for the work after deposition necessary cost with JDA.

### **SCHEDULE – D: TEST OF THE MATERIALS:**

The test of the materials and workmanship shall be conducted by the JDA staff as necessary. The result of such tests should confirm to the standards laid down in the Indian standard & or the standards laid down in the detailed specifications of the work by the contractor. Qualified personnel required as per the contractor enlistment rules shall have to be engaged at site by the Contractor. The authority reserves the right to engage such staff and recover the expenses from the contractor on such account in case of his failure to do so.

### **SCHEDULE – E: SAMPLES OF THE MATERIALS:**

The sample of the materials to be used by the contractor shall be deposited 15 days in advance with the Engineer In charge and be got approved by him before use.

### **SCHEDULE – F: TIME OF COMPLETION:**

The work should start within 10 days of the issue of the work order and complete within time limits.

**SCHEDULE – G: ATTACHED SEPARATELY BASED ON APPLICABLE BSRs IN JDA.**

**SCHEDULE – H: SPECIAL CONDITION: Attached Separately.**

**SCHEDULE – I: COST OF TENDER DOCUMENTS, PROCESSING FEES & BID SECURITY.**

The Bid Processing fee is payable in favor of M.D. RISL & Cost of bid document & Bid Security is payable in Favour of the Secretary, JDA, Jaipur. Bidders have to pay bid processing fees, cost of bidding documents, and Bid Security Online. **If a bidder opts to deposit the bid security through bank guarantee, the bank guarantee should be valid for the next seven months after the bid opening date. A copy of the such bank guarantee will be required to be attached with the bid submission documents uploaded on the E-**

Pre-bid qualification document

procurement portal of GOR. The bank guarantee will be physically handed over upto prescribed time to Nodal officer of the on-line tendering system of JDA i.e. D.D( E&B) in room No. 215N Extension building, JDA, JLN marg, Jaipur, as per specified in bidding documents,

Annexure-1. Special Conditions of Contract regarding defect liability period.

Annexure-2A. Bank guarantee will be in specified Performa enclosed with this bidding document for Bid Security.

Annexure-2B. Bank guarantee will be in specified Performa enclosed with this bidding document for Performance Security.

Annexure-A. Compliance with the code of integrity and no conflict of interest (RTPP Act/Rules).

Annexure-B. Declaration by the bidder regarding qualifications (RTPP Act/Rules).

Annexure-C. Grievance Redressal during the procurement process (RTPP Act/Rules).

Annexure-D. Additional Conditions of Contract (RTPP Act/Rules).

Annexure-E. Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA & Bid Submission on 'e-Procurement Portal' of Government of Rajasthan.

**Executive Engineer-(Elect.-I)  
JDA, Jaipur**

## SPECIAL CONDITIONS

### SCHEDULE 'H'

01. If there is any typographical error or otherwise in the 'G' Schedule, the rates given in the relevant BSR on which Schedule 'G' has been prepared, shall prevail.
02. The bidder shall follow the provisions of the builder labour regulation and abolition Act, 1970 & Rule, 1971.
03. The JDA shall have the right to cause an audit for technical examination of the work and the final bills of the bidder including all supporting vouchers, abstracts etc. to be made within two years after payment of the final bills and if as a result of such audit, any amount is found to have been overpaid / excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed, the bidder shall be liable to refund such amount and it shall be lawful for the JDA to recover the such sum from him in the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the bidder was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such underpayment shall be paid by the JDA to the bidder.
4. Wherever any claim against the bidder for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the performance security of the bidder, In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time their contract with the JDA should this sum be sufficient to recover the full amount recoverable. The bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
5. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
6. By submission of the Bid the bidder agrees to abide by all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
7. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
8. If any bidder withdraws his Bid prior to the expiry of said validity period given at S. No. 5 or mutually extended prior or makes modifications in the rate, terms and conditions of the Bid within the said period which are not acceptable to the authority or fails to commence the work in the specified period, fails to execute the agreement the authority shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of bid security given in any form absolutely. If any bidder, who has submitted a Bid does not execute the agreement or start the work or does not complete the work and the work has to be put to rebidding he will stand debarred for six months from participating of Biding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
9. Any material not conforming to the specifications collected at the site have to be removed by the bidder within a period of 3 days of the instruction, issued by the Engineer -In charge in writing failing which, such material shall be removed by the Engineer-In charge at risk and cost of the bidder after the expiry of 3 days period.
10. The material collected at the site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed fully on the work.

11. The rates provided in the Bidding documents are inclusive of all Taxes and royalties otherwise specified.
12. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule, Source/ borrow pit area for the earth shall have to be arranged by the Bidder at his own cost.
13. Undersigned has full right to reject any or all Bids without giving any reasons.
14. As per the Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the etc."
15. Special Conditions of the Contract regarding the Defect Liability Period (DLP) for works costing Rs. 25.00 lacs and more shall be applicable (Annexure-I).
16. The Bidder is required to submit a copy of their enlistment as a contractor.
17. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
18. The bidder will have to install display boards at the site of work as directed by Engineer in charge.
19. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 and amendments issued from time to time by the Finance Department, GOR shall be applicable. If there are any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 shall prevail.
20. In case the rate received in the bid is below than BSR rate, additional Performance security shall be deposited by the bidder as per Rule 75 (A) of RTPP Rules.
21. The Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking for any clarification.
22. Contractors enlisted in JDA, should be get reviewed periodically. The registered bidder who has not been reviewed within a period of 5 years 3 months, shall not be allowed to participate in the bid. Contractors enlisted in other departments shall be as per the provision of PWF&AR

**Executive Engineer-(Elect.-I)**  
**JDA, Jaipur**

**SPECIAL CONDITIONS OF CONTRACT REGARDING DEFECT LIABILITY PERIOD (DLP)**  
**FOR WORKS COSTING RS. 25.00 LACS AND MORE**

**Table-1**

| S.No. | Type of work                                                                                        | DLP Period                                                      |
|-------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1.    | <b>Bridge Work</b>                                                                                  | <b>5 Years</b>                                                  |
| 2.    | <b>CD Work</b>                                                                                      | <b>5 Years</b>                                                  |
| 3.    | <b>CC Road. PQC Work</b>                                                                            | <b>5 Years</b>                                                  |
| 4.    | <b>CC tiles/Krebs/medians</b>                                                                       | <b>5 Years</b>                                                  |
| 5.    | <b>Drains</b>                                                                                       | <b>3 Years</b>                                                  |
| 6.    | <b>Roads</b>                                                                                        |                                                                 |
|       | (i) Two-layer WBM/GSB                                                                               | <b>6 months or one full rainy season<br/>whichever is later</b> |
|       | (ii) For Renewal/Strengthening                                                                      |                                                                 |
|       | (a) BT up to 30 mm thickness                                                                        | <b>1 Years</b>                                                  |
|       | (b) BT above 30 mm to up to 40 mm                                                                   | <b>2 Years</b>                                                  |
|       | (c) BT above 40 mm to up to 90 mm                                                                   | <b>3 Years</b>                                                  |
|       | (d) BT above 90 mm thickness                                                                        | <b>5 Years</b>                                                  |
|       | (iii) New Roads                                                                                     |                                                                 |
|       | (a) BT up to 90 mm                                                                                  | <b>3 Years</b>                                                  |
|       | (b) BT more than 90 mm                                                                              | <b>5 Years</b>                                                  |
| 7.    | <b>Compound wall</b>                                                                                | <b>3 Years</b>                                                  |
| 8.    | <b>Building Work</b>                                                                                |                                                                 |
|       | (i) Work pertaining to Sanitary work electrical works, Joinery works and painting work.             | <b>2 Years</b>                                                  |
|       | (ii) Work pertaining to the Building structure and other electrical works                           | <b>5 Years</b>                                                  |
| 9.    | <b>Electric work except for maintenance</b>                                                         | <b>3 years</b>                                                  |
| 10.   | <b>Sewer/Water supply including STP and water supply-related work except for maintenance works.</b> | <b>3 Years</b>                                                  |

**1. ROAD-WORKS**

1.1 The Defect Liability Period (DLP) for all Road works excluding patch repair work shall be as per the above table. Road works executed by the Contracting agency shall be maintained by them at their own cost for completion (DLP) from the actual date of completion of work as per the clause in the Contract Agreement and Special Condition of the Contract.

1.2 No extra payment shall be made to the contracting agency on account of maintenance of Road works and removal of defect during the Defect Liability Period.

1.3 The word "Road Works" means all new Road Works construction, widening, strengthening, up-gradation and renewal works

1.4 The word "Maintenance of Road Works during Defect Liability Period" means

(i) Routine maintenance of Road Works,

(ii) To remove the defect as & when appear in part and the entire structure of Road Works, in the specified time and keeping the Road Surface with good riding quality and

(iii) Damages due to improper drainage/ drains, local flooding, depressions on roads etc.

1.5 The contracting agency shall do the routine maintenance of Road works, including pavement, road side and cross drains including surface drains to the required standards and keep the entire road surface and structure in Defect free conditions during the entire period of routine maintenance, which begins at the completion of the construction work and ends after complete (DLP).

1.6 The routine maintenance shall consist of the routine maintenance operation defined in the manual for the maintenance of roads of MoRTH and shall be carried out accordingly.

### 1.7 The routine maintenance activities and their periodicity.

| S.No. | Name of Item/Activity                                                                                                                               | Frequency of operations in one year                                                                                                                                                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Restoration of rain cuts and dressing of berms.                                                                                                     | Once in a year, generally after rains.                                                                                                                                                                                      |
| 2     | Making up of shoulders.                                                                                                                             | As and when required.                                                                                                                                                                                                       |
| 3     | Maintenance of Bituminous surface road and/or gravel road/WBM road including filling pot holes and patch repairs etc.                               | As and when required.                                                                                                                                                                                                       |
| 4     | Insurance of proper functioning of drains including electrical maintenance and desalting of drains. (If constructed by the same Road agency or not) | As and when required.                                                                                                                                                                                                       |
| 5     | Maintenance of road signs. (If installed by the same Road agency)                                                                                   | Maintenance as and when required. Repainting <b>once in every one and a half years.</b>                                                                                                                                     |
| 6     | Road Marking, Kerb Stone / Dand. (If done by the same Road agency)                                                                                  | <b>Thermoplastic Paint</b><br>Maintenance as and when required. Repainting <b>once in everyone &amp; a half year.</b><br><b>Ordinary Paint</b><br>Maintenance as and when required. Repainting <b>thrice in every year.</b> |
| 7     | Damages beyond the control of the agency.                                                                                                           | Road cuts made by various agencies for utility, duly permitted by JDA / JNN will have to be repaired by the agency on the same rates of the contract agreement till DLP.                                                    |

## 2. General

### 2.1 Inspection of works during the Defect Liability Period

2.1.1 The contracting agency shall undertake a joint detailed inspection along with Engineer-in-charge/A.En., at least once in three months in case of all Road works. The Engineer-in-charge can reduce this frequency in case of an emergency. The Contracting agency shall forward to the engineer in-charge the record of inspection and rectification immediately after the joint inspection. The Contracting agency shall pay particulars attention to those road sections, which are likely to be damaged during rainy season.

2.1.2 One register has to be maintained by every AEN for recording the inspection details of works in his jurisdiction under defect liability period.

### 2.2 Conditions regarding Performance Security

#### 2.2.1 Security for DLP-

The contracting agency shall have to furnish Performance Security in the form of Bank Guarantee valid from the actual date of completion, which shall be assigned by the Engineer-in-charge.

#### 2.2.2 The release of PS amount shall be as per following table 2 :-

| S.No. | Released PS \ DLP Period | 1 Year | 2 Years | 3 Years | 5 Years |
|-------|--------------------------|--------|---------|---------|---------|
| 1.    | After 1 year             | 100%   | 40%     | 20%     | 10%     |
| 2.    | After 2 year             |        | 60%     | 20%     | 10%     |
| 3.    | After 3 year             |        |         | 60%     | 10%     |
| 4.    | After 4 year             |        |         |         | 20%     |
| 5.    | After 5 year             |        |         |         | 50%     |

The Performance Security will be released as per the above table after a satisfactory performance certificate issued by Engineer-In-Charge:-

#### 2.2.3 Forfeiture of Performance Security

In case the contracting agency fails to rectify the defects within the stipulated period notified to him by the Engineer-in-charge concerned under the contract agreement, the Engineer-in-charge shall serve a final notice for 5 days' time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in the rectification of defects the Engineer-in-charge will get the defect removed at the risk and cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall also be taken against the contracting agency by the competent authority.

#### 1.2.4 Force Majeure

The defect that arises due to earthquakes, cyclones, and natural calamities shall not be the responsibility of contracting agency.

#### 2.2.5 Various conditions for managing DLP are as under:-

- (i) At the time of completion of work, final component shall be worked out for each individual item like BT/CC/tiles/ drains etc. (as per different categories in Table-I), DLP shall be operative based upon type of individual item ex:- CC-5 years, BT-1/2/3/5 years, Drain-3 years etc.
- (ii) If any work, amount is less than Rs. 25 lacs but later on due to extra/excess work, if amount of final work crosses more than Rs. 25 lacs, DLP shall be operative as per rule for each individual item.
- (iii) Similarly, if any work is more than Rs. 25 lacs but after finalization amount of work is less than Rs. 25 lacs, DLP should be operative for six months or rainy season whichever is later.
- (iv) During DLP period if contractor fails to repair any work even after the issue of 7 days written notice, the same work shall be got executed by the respective Executive Engineer at the contractor's risk and cost. This process shall be applicable throughout the DLP period. After completion of DLP period in such works contractor should be debarred and blacklisted, from JDA for three years as per RTPP rule 2012 and 2013 where his defaults twice in a single agreement or in two different works.
- (v) Quarterly Inspection as per rules shall be carried out and DLP registers shall be maintained by respective Executive Engineers to monitor the DLP repairs.
- (vi) Special and regular inspection shall also be carried out as per order no. JDA/XEN & TA to DE-I/2014-15/D-223 dated 12.03.2015 and order no. SE (PMGSY) CIRCULAR 2006/D-115 dated 04.05.2006 Point no. 3.
- (vii) In case JDA feels to take up work on any existing DLP road due to any reason, the following procedure should be adopted:
  - (a) At the time of withdrawal total liability of repairs as per DLP conditions to be carried out and the contractor shall be asked to complete the same. After completion of assessed repairs, DLP period shall be released after deduction amt. as per following table-III.

**Table-3**

| % Recovery on withdrawal of DLP of work order |        | 1 Year | 2 Year | 3 Year | 4 Year | 5 Year |
|-----------------------------------------------|--------|--------|--------|--------|--------|--------|
| DLP period                                    |        |        |        |        |        |        |
|                                               | 1 Year | 1.12   | -      | -      | -      | -      |
|                                               | 2 Year | 2.55   | 1.43   | -      | -      | -      |
|                                               | 3 Year | 4.38   | 3.26   | 1.83   | -      | -      |
|                                               | 5 Year | 9      | 7.88   | 6.45   | 4.62   | 2.47   |

**Note:- Calculation is to be done on a quarterly basis.**

- (b) In case the Contractor fails to carry out these repairs, same shall be carried out at his risk and cost. If the total amt. of such repairs works out to be more than the total retained amount of PS same shall be recovered from other works and as per PDR rules. The amount as per Table 3 is also to be deducted in addition to this amount.
  - (viii) Based upon the type of work, DLP conditions for works to be carried out during the DLP period with their frequency of the respective type of work shall be prepared by respective SE"s after approval of these periods.
3. In case patch repairs/electrical maintenance works costing more than Rs. 25.00Lakhs, defect liability period will as per clause 37(C) of Contract Agreement.

**Executive Engineer-(Elect.-I)  
JDA, Jaipur**

## Specified Bank Guarantee Performa for Bid Security

### Section - 6

Form of (Bank Guarantee) -En cashable at the branch of the bank in Jaipur City.

To  
Secretary,  
Jaipur Development Authority,  
Jaipur.

Sub:-

Bank Guarantee No. \_\_\_\_\_ dated \_\_\_\_\_ for [amount of Security in figures] [in words] on behalf of \_\_\_\_\_ [Name of the Bidder] against Bid Security for the.....  
.....JDA Jaipur WHEREAS, \_\_\_\_\_ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid dated ..... for the work of .....(here in after called " the Bid ").

KNOW ALL PEOPLE by these presents that we \_\_\_\_\_  
\_\_\_\_\_ (Name of Bank) of having our registered office at \_\_\_\_\_[name of country] having our registered office at \_\_\_\_\_ (hereinafter called "the Bank") are bound unto Secretary, Jaipur Development Authority. (Hereinafter called "the Employer") in the sum of Rupees \_\_\_\_\_ [**Amount of Security in figures**] \_\_\_\_\_ (in words) only for which payment will and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents. That on demand of JDA, this Bank Guarantee is cashable at the following branch in Jaipur City.

1. Name of Bank:
2. Name of the branch with branch code:
3. Address:
4. E-Mail Id:
5. Telephone No.
6. Fax No.:

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ of 20\_\_\_\_.

THE CONDITIONS of this obligation are:

- 1) if the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;
- 2) if the Bidder refuses to accept the correction of errors in his bid;
- 3) If the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity;
  - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, or
  - (b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

Pre-bid qualification document

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him owing to the occurrence of one or more of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date 30 days after the date of expiration of the Bid Validity, as stated in the Instructions to Bidders, or any such extension thereto as may be agreed by the Bidder, a notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank no later than the above date.

The amount covered under the above Bank Guarantee shall be automatically credited in the accounts of JDA in ICICI Bank, JDA Campus, Jaipur through **ISFC code No ICICI 006754. Bank Account No. 675401700518** on the date of expiry or its validity, unless the agencies get it re-validated well before its expiry date or produce NOC from JDA in writing for its release.

Date \_\_\_\_\_ Signature of the Bank \_\_\_\_\_

Witness \_\_\_\_\_ Seal \_\_\_\_\_

[Signature, Name, and Address]

**[Note: To be furnished on appropriate non-judicial stamps & should be valid for the next 7 months from the bid opening date]**

**Specified Bank Guarantee Performa for Performance Security****Section - 6**Form of (Bank Guarantee) -En cashable at the branch of the bank in Jaipur City.

To

Secretary, Jaipur Development Authority,

Jaipur

Sub:.....

Bank Guarantee No. \_\_\_\_\_ dated \_\_\_\_\_ for [amount of Security in figures] [in words] on behalf of \_\_\_\_\_ [Name of the Bidder] against Performance Security for the.....  
 .....**JDA Jaipur** WHEREAS, \_\_\_\_\_ [name of Bidder with address] **(hereinafter called "the Bidder")** has submitted his Bid dated ..... for the work of .....(hereinafter called " the Bid ").

KNOW ALL PEOPLE by these presents that we \_\_\_\_\_

\_\_\_\_\_ (Name of Bank) of having our registered office at \_\_\_\_\_ [name of country] having our registered office at \_\_\_\_\_ (hereinafter called "the Bank") are bound unto Secretary, Jaipur Development Authority. (Hereinafter called "the Employer") in the sum of Rupees \_\_\_\_\_ **[Amount of Security in figures]** \_\_\_\_\_ (in words) only for which payment will and truly to be made to the said Employer, the Bank binds itself, its successors, and assigns by these presents.

That on demand of JDA, this Bank Guarantee is cashable at the following branch in Jaipur City.

1. Name of Bank:
2. Name of the branch with branch code:
3. Address:
4. E-Mail Id:
5. Telephone No.
6. Fax No.:

SEALED with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ of 20\_\_\_\_.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand within valid period of this guarantee.

This Guarantee will remain in force up to and including the date 30 days after the date of expiration of the Bid Validity, as stated in the Instructions to Bidders, or any such extension thereto as may be agreed by the Bidder, a notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank no later than the above date.

The amount covered under the above Bank Guarantee shall be automatically credited to the accounts of JDA in ICICI Bank, JDA Campus, Jaipur through **ISFC code No ICICI 006754. Bank Account No. 675401700518** on the date of expiry or its validity, unless the agencies get it re-validated well before its expiry date or produce NOC from JDA in writing for its release.

Date \_\_\_\_\_ Signature of the Bank \_\_\_\_\_

Witness \_\_\_\_\_ Seal \_\_\_\_\_

[Signature, Name and Address]

**[Note: To be furnished on appropriate non-judicial stamps.]**

Pre-bid qualification document

**Compliance with the Code of Integrity and No Conflict of Interest**

Any person participating in a procurement process shall-

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid-rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring entity and the bidders with an intent to gain an unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

**Conflict of interest:**

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

A bidder may be considered to be in conflict of interest with one or more parties in the bidding process if, including but not limited to:

- (a) Have controlling partners/shareholders in common; or
- (b) Receive or have received any direct or indirect subsidy from any of them; or
- (c) Have the same legal representative for purposes of the bid; or
- (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the procuring Entity regarding the bidding process; or
- (e) The bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a bidder, in more than one bid; or
- (f) the bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods, works or services that are the subject of the Bid; or
- (g) Bidder or any of its affiliates has been hired (or proposed to be hired) by the procuring entity as engineer-in-charge/consultant for the contract.

**Declaration by the Bidder regarding Qualifications**

**Declaration by the Bidder**

In relation to my/our Bid submitted to .....for procurement of .....in response to their Notice inviting Bids No.....Dated.....I/we .....hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012 that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entry;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the union and the state government or any local authority as specified in the Bidding Document.
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offense related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:

Signature of the bidder

Place:

Name:

Designation:

Address:

**Note:- Annexure "B" is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking any clarification.**

## Grievance Redressal during Procurement Process

### **The designation and address of the First Appellate Authority:**

For works costing up to Rs. 300.00 Lakhs - Jaipur Development Commissioner, JDA, Jaipur.

For works costing above Rs. 300.00 Lakhs - Executive Committee, JDA, Jaipur.

### **The designation and address of the Second Appellate Authority:**

For works costing up to Rs. 300.00 Lakhs - Executive Committee, JDA, Jaipur.

For works costing above Rs. 300.00 Lakhs - Principle Secretary/ ACS, Urban Development  
& Housing Department, GOR, Jaipur.

#### **(1) Filing an appeal: -**

if any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the rules or the guidelines issued there under, he may file an appeal to First Appellate authority, as specified in the Bidding document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which, he feels aggrieved:

Provided that after the declaration of a bidder as successful the appeal may be filed only by a bidder who has participated in procurement proceedings:

Provided further that in case a procuring entity evaluates the technical bids before the opening of the financial bids, an appeal related to the matter of financial bids may be filed only by a bidder whose technical bid is found to be acceptable.

(2) The officer to whom an appeal is filed under Para (1) shall deal with the appeal as expeditiously as possible and shall Endeavour to dispose it of within thirty days from the date of the appeal.

(3) If the officer designated under Para (1) fails to dispose of the appeal filed within the period specified in Para (2), or if the bidder or prospective bidder or the procuring entity is aggrieved by the order passed by the first appellate authority, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to the second appellate authority specified in the bidding document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the first appellate authority, as the case may be.

#### **(4) Appeals not to lie in certain cases: -**

No appeal shall lie against any decision of the procuring entity relating to the following matters, namely: -

- (a) Determination of the need of procurement
- (b) Provisions limiting the participation of bidders in the bid process
- (c) The decision of whether or not to enter into negotiations
- (d) Cancellation of a procurement process
- (e) Applicability of the provisions of confidentiality

#### **(5) Form of Appeals: -**

- (a) An appeal under Para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, Affidavit verifying the facts stated in the appeal and proof of payment of fee,
- (c) Every appeal may be presented to the first appellate authority or second  
The appellate authority, as the case may be, in person or through registered post or authorized representative.

**(6) Fee for filing Appeal: -**

- (a) Fee for the first appeal shall be rupees two thousand five hundred and for the second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of a bank demand draft or banker's cheque of a scheduled bank in India payable in the name of the appellate authority concerned.

**(7) Procedure for disposal of Appeal: -**

- (a) The first appellate authority or second appellate authority as the case may be, upon the filing of the appeal, shall issue notice accompanied by a copy of the appeal, affidavit and documents, if any, to the respondents and fix a date of hearing
- (b) On the date fixed for hearing, the first appellate authority of the second appellate authority, as the case may be shall-
  - (i) Hear all the parties appeal presenting before him; and
  - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the appellate authority concerned shall pass an order in writing and provide a copy of the order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the state public procurement portal.

### **Additional Conditions of Contract**

**1. Correction of arithmetical errors**

Provided that a financial bid is substantially responsive, the procuring entity will correct arithmetical errors during the evaluation of financial Bids on the following basis:

- (i) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected unless in the opinion of the procuring entity, there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (ii) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its bid security shall be forfeited or its bid securing declaration shall be executed.

**2. Procuring Entity's Right to Vary quantities.**

- (i) At the time of award of the contract, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased, by a specified percentage, but such increase or decrease shall not exceed fifty percent, of the quantity specified in the bidding documents. It shall be without any change in the unit prices or other terms and conditions of the bid and the conditions of the contract.
- (ii) If the Procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding document due to change circumstances, the bidder shall not be entitled to any claim or compensation except otherwise provided in the conditions of the contract.
- (iii) In case of procurement of goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of goods of the original contract and shall be within one month from the date of expiry of the last supply. If the supplier fails to do so, the procuring entity shall be free to arrange for the balance supply by limited bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

**3. Dividing quantities among more than one bidder at the time of award (In case of procurement of Goods):-**

As a general rule, all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, then in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidder in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

## Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA & Bid Submission on 'e-Procurement Portal' of Government of Rajasthan: -

### A\*Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA

#### 1-Participate in tender

- Bidder can access 'Online Tender Participation' Portal of JDA at <https://jda.urban.rajasthan.gov.in/jda> or by Single-Sign-On at <http://service.jaipurjda.org>.
- Create user Login with a valid mobile number to register yourself for various Online Services of JDA.
- Select 'Proceed as Citizen' and then 'Proceed for Subscription' for 'Tender Online Payment'. The prevailing plan for getting registered for tendering process of JDA is Rs. 500.00 with a validity period of 3 Years (renewable).
- After successful payment, re-login and upload required documents for KYC (Know Your Client) compliance as per the type of entity viz. Individuals/ Company/ Partnership Firms/ Trusts & foundations. Besides, Bank Passbook / Cancelled Cheque consisting of Bank Account, IFSC Code is mandatory to be uploaded, to refund the bid security of unsuccessful bidder.
- After receiving the payment successfully and approving KYC documents the bidder will be authenticated by JDA for taking part in Tender.

#### 2-Deposit Tender Fee, RISL processing fee and Bid Security (EMD)

- Option-1:** Payment Gateway (Aggregator)  
The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from anywhere any time till the closing date & time of bid participation.
- Option-2:** Electronic Fund Transfer (EFT: NEFT/RTGS)  
If the bidder selects payment mode as EFT (NEFT/RTGS), "Paying Slip for EFT (NEFT/RTGS)" will be generated by the system for the complete amount. The payment can be made from any Bank any Branch using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 48 hours prior to closing date of bid participation.

#### 3-Deposit Bid Security (EMD)

The Bid Security (EMD) can be submitted through Bank Guarantee (BG). Bidder may opt Bank Guarantee (BG) against Bid Security (EMD), for which bidder requires to prepare BG before applying in the tender. The detail of BG requires to be fed on 'Online Tender Participation' Portal of JDA before paying balance amount (Tender Fee + RISL Processing Fee). This balance amount will be paid through Payment Gateway only, option to make balance payment through EFT (RTGS/NEFT) will not be available.

#### 4-Obtain Bid Participation Receipt

After confirming payment, the bidder will get Bid Participation Receipt based on which user will get the payment details along with other details for bidding on e-Procurement portal of GOR.

- In case of BG as the remaining payment will be done through Payment Gateway, on successful transaction the 'Bid Participation Receipt' will be generated on real time basis.
- In case complete payment is done through Payment Gateway, on successful transaction the 'Bid Participation Receipt' will be generated on real time basis.
- In case complete payment is done through EFT (NEFT/RTGS), on confirmation of payment from ICICI Bank (Auto Process) 'Bid Participation Receipt' will be available on Login of Bidder on JDA portal.

### B-\*\*Bid Submission on 'e-Procurement Portal' of Government of Rajasthan

- Online e-Bid can be submitted after registration at e-Procurement Portal of Government of Rajasthan [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in)
- It is mandatory to upload Bid Participation Receipt with the bid submission.
- Details of online payment available on Tender Participation Portal of JDA have to be filled in 'offline payment' section of e-Procurement portal.

**Note**

- 1- Bidder (authorized signatory) shall submit their offer on-line in electronic formats both for technical and financial proposal.
  - 2- In case, any of the bidders fails to pay the Tender Fee, BSD, and RISL Processing Fee, online (subject to confirmation), its Bid shall not be accepted.
  - 3- To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III) as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e., TCS, Safecrypt, nCode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must register on <http://eproc.rajasthan.gov.in> (bidders already registered on <http://eproc.rajasthan.gov.in> before 30-09-2011 must register again).
  - 4- JDA will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
  - 5- Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.
  - 6- Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&C, GoR on a regular basis. Bidders interested in training may contact e-Procurement Cell, DoIT&C for booking the training slot.
- Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: [eproc@rajasthan.gov.in](mailto:eproc@rajasthan.gov.in)

Address: e-Procurement Cell, JDA, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur

- 7- The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.
- 8- No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder.
- 9- Procurement entity disclaims any factual/ or other errors in the bidding document (the onus is purely on the individual bidders to verify such information) and the information provided therein are intended only to help the bidders to prepare a logical bid-proposal.
- 10- The provisions of RTPPA Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPP Act 2012 and Rules thereto, the later shall prevail.

|                                              |                      |
|----------------------------------------------|----------------------|
| <b>Jaipur Development Authority, Jaipur.</b> |                      |
| <b>Bid Participation Receipt</b>             |                      |
|                                              | Date & Time:-        |
| <b>Bid Detail</b>                            |                      |
| Bid ID:                                      | Procurement Entity:- |
| Bid Title:                                   |                      |
| Bid Value:                                   | Bid Opening Place:   |
| <b>Bidder Detail</b>                         |                      |
| Name of Entity:                              | Mobile No.:          |
| Registration Type:                           | Instrument Amount:   |
| Payment Mode:                                | Payment Channel:     |
| Instrument No.:                              | Instrument Date:     |

| Dates Detail |                  |            |
|--------------|------------------|------------|
| Sr. No.      | Event Name       | Event Date |
| 1            | Publishing Date  |            |
| 2            | Bid Opening Date |            |

|                                                |                      |                 |      |
|------------------------------------------------|----------------------|-----------------|------|
| <b>Specific Instrument for eProc Rajasthan</b> |                      |                 |      |
| <b>Instrument Type</b>                         |                      |                 |      |
| Instrument Number                              | Head Name            | Amount          | Date |
|                                                | Tender Fee           |                 |      |
|                                                | RISL Processing Fee  |                 |      |
|                                                | Bid Security Deposit |                 |      |
| Issuer Detail: Jaipur Development Authority    |                      | Challan Number: |      |

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in).



# जयपुर विकास प्राधिकरण, जयपुर

www.jda.urban.rajasthan.gov.in

NO.JDA/DD(E&B)/2023/D-145

Dated: 18-4-2023

## OFFICE ORDER

Sub.: Master Bid Document for bids to be invited in "Two Bid System" and "Schedules& specifications" for all types of bids. 2A

In supersession of all the previous approvals/orders for the "Bid Document" and "Schedules& specifications" for all types of bids; the new "Bid Document" for two bid system and "Schedules& specifications" for all types of bids shall be applicable with immediate effect & is hereby enclosed for ready reference. 21/

Therefore, It is directed all the Executive Engineers to adopt the new bid document and schedules & specifications for the bids invited under single part and two part bid systems.

Bid of the bidder (in single part bidding or two part bidding) can be opened only after receipt of following documents in order: -

- Proof of deposition of Bid security, bid cost, and Bid processing fees.
- Copy of enlistment as a contractor in the appropriate category.
- Duly fulfilled & signed with seal Annexure "B" in accordance to RTPP Act/Rules.

Two-part bid System will be applicable as under: -

### Potential Assessment Method.

For road works - above Rs. 5.00Crore up-to 10.00Crores

For other works - above Rs. 3.00Crore up-to 5.00Crores

### Post Qualification Method -

For road works - above Rs. 10.00Crore up-to 20.00Crores

For other works - above Rs. 5.00Crore up-to 15.00Crores

गणेशशेखर व्यास भवन इन्डिया मार्केट जवाहर लाल नेहरू मार्ग जयपुर-302004

Scanned with CamScanner

**Pre-Qualification Method -**

For road works - above Rs. 20.00Crore

For other works - above Rs. 15.00Crore

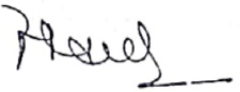
Note: Any change/modification if required with reference to approved Bid Conditions & Special Condition required to be added additionally, shall beget approved from Executive Committee prior to invitation of the bid.

It bears approval of competent authority

  
(Onkarmal Rajotiya)  
Director (Finance)

Copy to the following for information and necessary action:-

1. P.S. to JDC, JDA, Jaipur.
2. Director (Engineering-I/II), JDA, Jaipur.
3. Director (Finance), JDA, Jaipur.
4. OIC (Engineering-III/IV), JDA, Jaipur.
5. All Additional Chief Engineer, JDA, Jaipur.
6. Additional Director(R&DP), JDA, Jaipur.
7. All Superintending Engineers, JDA, Jaipur.
8. D.D.(E&B) & Sr. A.O., JDA, Jaipur.
9. All Executive Engineers, JDA, Jaipur.
10. Guard File.

  
Director (Finance)

गमकिशोर त्याम भवन दन्तिरा मर्किल नवाहर नाल लेदर मार्ग जयपूर-302004

## जयपुर विकास प्राधिकरण, जयपुर

www.jdaurban.rajasthan.gov.in

SDC  
जयपुर  
05/04/23

क्रमांक: जविप्रा/तसनिअ-प्रथम/2022-23/डी-743

दिनांक 29/03/23

### कार्यालय आदेश

जविप्रा में पंजीकृत विभिन्न संवर्ग की विभिन्न श्रेणियों के 5 वर्ष पूर्ण हो चुके स्थायी पंजीयको के रिव्यू हेतु समय-2 पर जारी आदेशों एवं कार्यालय आदेश क्रमांक 324 दिनांक 28.09.2022 के द्वारा दिनांक 31.12.2022 तक रिव्यू किया जाना था जिसे आदेश क्रमांक 516 दिनांक 30/12/22 के द्वारा बढ़ाकर 31.03.2023 तक किया गया था। जयपुर विकास कॉन्ट्रेक्टर्स एसोशियेशन के पत्र क्रमांक 29 दिनांक 28/03/2023 द्वारा अन्तिम अवसर देते हुए एक माह की समय सीमा बढ़ाने हेतु किये गये निवेदन को स्वीकार करते हुए रिव्यू तिथि दिनांक 30 अप्रैल 2023 की जाती है।

समस्त संवेदकों को अन्तिम नोटिस/सूचना दी जाती है कि "जिन संवेदको के पंजीयन को 5 वर्ष 3 माह पूर्ण हो चुके हैं वे अपने पंजीयन आदेशों का रिव्यू दिनांक 30.04.2023 तक करा लें। दिनांक 1 मई 2023 से जारी निविदाओं में पंजीयन का रिव्यू (Review) करवाये बिना भाग नहीं ले सकेंगे। शेष नियम एवं शर्तें आदेश क्रमांक 324 दिनांक 28.09.2022 के अनुसार ही लागू होगी।"

उक्त आदेश सक्षम स्तर से पुष्ट हैं।

SD  
निदेशक अभियांत्रिकी-प्रथम  
जविप्रा, जयपुर

क्रमांक: जविप्रा/तसनिअ-प्रथम/2022-23/डी-743

दिनांक 29/03/23

#### प्रतिलिपि:-

1. निजी सचिव, जयपुर विकास आयुक्त, जयपुर।
2. निजी सचिव, सचिव जविप्रा, जयपुर।
3. निदेशक अभियांत्रिकी-प्रथम/द्वितीय जविप्रा, जयपुर।
4. निदेशक (वित्त), जविप्रा, जयपुर।
5. अतिरिक्त मुख्य अभियंता एवं प्रभारी अधिकारी, अभियांत्रिकी-III/IV, जविप्रा, जयपुर।
6. वनसंरक्षक जविप्रा, जयपुर।
7. समस्त अतिरिक्त मुख्य अभियंता जविप्रा, जयपुर।
8. समस्त अधीक्षण अभियंता जविप्रा, जयपुर।
9. ओ.एस.डी. (आर.एम.) जविप्रा, जयपुर।
10. अति. निदेशक (राजस्व)/मुख्य लेखाधिकारी (पीएण्डए)/उप निदेशक (व्यय एवं बजट) जविप्रा, जयपुर।
11. संयुक्त आयुक्त (सिस्टम मैनेजमेन्ट) जविप्रा, जयपुर।
12. जनसम्पर्क अधिकारी जविप्रा, जयपुर को भेजकर निवेदन है कि सूचना समाचार पत्र में प्रकाशित करने का श्रम करें।
13. वरिष्ठ उद्यानविज्ञ जविप्रा/समस्त अधिशाषी अभियंता जविप्रा, जयपुर को भेजकर लेख है कि 1 मई 2023 से आमंत्रित निविदाओं में निम्न शर्त का अंकन करें :-  
जिन संवेदको के पंजीयन को 5 वर्ष 3 माह पूर्ण हो चुके हैं उन्हें पंजीयन का रिव्यू नहीं करवाये जाने तक दिनांक 1 मई 2023 से आमंत्रित निविदाओं में भाग लेने से वंचित किया जाता है।
14. सिस्टम एनालिस्ट जविप्रा, जयपुर।
15. समस्त ठेकेदार एसोसिएशन जविप्रा, जयपुर।
16. नोटिस बोर्ड जविप्रा, जयपुर।
17. रक्षित पत्रावली।

30/6  
29/03/2023  
अधीक्षण अभियंता एवं  
तक. सहा. निदे. अभि-प्रथम  
जविप्रा, जयपुर

Order



## जयपुर विकास प्राधिकरण, जयपुर

www.jda.urban.rajasthan.gov.in

क्रमांक जविप्रा/निदे. (वित्त)/2022/डी-37

दिनांक 22-09-2022

### कार्यालय आदेश

विषय:- जविप्रा में निविदाओं में BSR दरों से कम दर डालने पर अन्तर राशि जमा कराने बाबत।

जयपुर विकास प्राधिकरण में आमंत्रित निविदाओं में अतिरिक्त परफोरमेंस गारन्टी/सिक्योरिटी डिपॉजिट के संबंध में जविप्रा के आदेश क्रमांक जविप्रा/अधि. अभि./त.स. नि.अभि.-1 /2021/डी-65 दिनांक 22.07.2021 तथा नगरीय विकास विभाग के आदेश प01 (24) नविवि/01/2020 लूज दिनांक 20.09.2021 को Withdraw करते हुए वित्त (GF&AR) विभाग की अधिसूचना नम्बर F2(1)FD/G&T(SPFC)/2017 दिनांक 22.10.2021 से RTPP Rule 75 “अ” के अनुसार लेने के प्रावधान को लागू किया जाता है।

निदेशक (वित्त)  
जविप्रा, जयपुर

प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु

1. निजी सचिव, प्रमुख शासन सचिव, नगरीय विकास विभाग, राजस्थान सरकार, जयपुर।
2. निजी सचिव, आयुक्त, जविप्रा, जयपुर।
3. सचिव, जविप्रा, जयपुर।
4. वन संरक्षक, जविप्रा, जयपुर।
5. निदेशक (अभियांत्रिकी- I, II, III IV), जविप्रा, जयपुर।
6. निदेशक (वित्त, विधि, नगर आयोजना), जविप्रा, जयपुर।
7. मुख्य नियन्त्रक (प्रवर्तन), जविप्रा जयपुर।
8. अतिरिक्त मुख्य अभियंता (अभियांत्रिकी प्रकोष्ठ- III, IV), जविप्रा, जयपुर
9. अतिरिक्त निदेशक (राजस्व एवं सम्पत्ति निस्तारण), जविप्रा, जयपुर।
10. समस्त अति. मुख्य अभियन्तागण/अधीक्षण अभियन्तागण, अधि. अभियन्तागण जविप्रा जयपुर।
11. समस्त व. लेखाधिकारी/लेखाधिकारी, जविप्रा, जयपुर।

निदेशक (वित्त)  
जविप्रा, जयपुर

# Jaipur Development Authority, Jaipur

## Office Order

No. : JDA/IT(1074501)/E-Services/2015-16/D-399

Dated: 4-10-2016

### **Subject: Payment mechanism for participating in tender.**

Jaipur Development Authority has decided to receive Earnest Money Deposit (EMD) (Bid Security), Tender Fee and RISL processing fee online through JDA Portal. The bid security options available in tender for participants are as mentioned below:

#### **A. Payment Options:**

##### **Option-1: Bank Guarantee (BG) against EMD / Bid Security**

Bidder may opt Bank Guarantee (BG) against EMD (Bid Security), for which bidder requires to prepare BG before applying in the tender. The details of BG requires to be fed on JDA portal before paying balance amount (Tender Fee + RISL Processing Fee). This amount will be paid through **Payment Gateway only**, option to make balance payment through EFT (RTGS/NEFT) will not be available.

If bidder does not opt for BG against EMD, options of making complete payment through Payment Gateway or through EFT (NEFT / RTGS) will be available.

##### **Option-2: Electronic Fund Transfer (EFT: NEFT/RTGS)**

If the bidder selects payment mode as EFT (NEFT/RTGS), "Paying Slip for EFT (NEFT/RTGS)" will be generated by the system for the complete amount. The payment can be made from **any Bank any Branch** using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 2 days prior to closing date of bid participation.

##### **Option-3: Payment Gateway (Aggregator)**

The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from **anywhere any time** till the closing date & time of bid participation.

#### **B. Bid Participation Receipt**

After confirming payment, the bidder will get Bid Participation Receipt on the basis of which user will get the payment details along with other details for bidding on e-Procurement portal of GOR.

- In case of BG as the remaining payment will be done through Payment Gateway, on successful transaction the "Bid Participation Receipt" will be generated on real time basis.

- In case complete payment is done through Payment Gateway, on successful transaction the **"Bid Participation Receipt"** will be generated on real time basis.
- In case complete payment is done through EFT (NEFT/RTGS), on confirmation of payment from ICICI Bank (Auto Process) **"Bid Participation Receipt"** will be available on Login of Bidder on JDA portal.

This payment mechanism will come into force w.e.f 15/10/2016. Thereafter, old payment mechanism related to NEFT/ RTGS in which the bidder makes direct payment without **"Paying Slip for EFT (NEFT/RTGS)"** in JDA's bank account will be discontinued.

All procuring entities are hereby directed to clearly mention this procedure in NIB document.

  
(Pawan Arora)  
Secretary

**Copy for information and further necessary action to:**

1. P.S. to JDC, JDA, Jaipur.
2. P.S. to Secretary, Secretary, JDA, Jaipur.
3. Director (Law / Finance / Town Planning / Engineering-I / Engineering-II), JDA, Jaipur.
4. All Additional Chief Engineer \_\_\_\_\_, JDA, Jaipur
5. DC (Administration)/DC(Store)/DC (Vehicle), JDA, Jaipur
6. System Analyst, JDA, Jaipur
7. Analyst-cum-Programmer, JDA to ensure integration of software w.e.f 01/10/2016.
8. All Xen \_\_\_\_\_, JDA, Jaipur.
9. Officer-in-charge, SPPP Portal, Jaipur.
10. OSD (Public Relation) / PRO, JDA, Jaipur.

  
(Brijesh Kishore Sharma)  
OSD (RM)

Bidder has to submitted as proof of deposited amount against the Bid on e-Procurement Portal

## Jaipur Development Authority

### Bid Participation Receipt

Date & Time : 09/06/2015 05:13 PM

#### Bid Detail

|                    |                   |                             |                                               |
|--------------------|-------------------|-----------------------------|-----------------------------------------------|
| <b>Bid Id :</b>    | <b>6215152001</b> | <b>Procurement Entity :</b> | XXXXXXXXXXXXXX                                |
| <b>Bid Title :</b> | Testing           |                             |                                               |
| <b>Bid Value :</b> | 300000            | <b>Bid Opening Place :</b>  | Manthan Hall, Jaipur<br>Development Authority |

#### Bidder Detail

|                    |                |                     |                                    |
|--------------------|----------------|---------------------|------------------------------------|
| Name of Entity :   | XXXXXXXXXXXXXX | Mobile:             | 9829012345                         |
| Registration Type: | Individual     | Instrument Amount : | 32500.00                           |
| Payment Mode:      | Online/UTR     | Payment Channel :   | Payment Gateway/ICICI Branch - JDA |
| Instrument No :    | 456123789      | Instrument Date :   | 17-06-2015                         |

#### Dates Detail

| Sr. No. | Event Name       | Event Date          |
|---------|------------------|---------------------|
| 1       | Publishing Date  | 01/06/2015 01:00 PM |
| 2       | Bid Opening Date | 01/07/2015 03:00 PM |

#### Specific Instrument Detail for eProc Rajasthan

| <b>Instrument Type:</b> DD                          |                      |                                    |            |
|-----------------------------------------------------|----------------------|------------------------------------|------------|
| Instrument Number                                   | Head Name            | Amount                             | Date       |
| 10000                                               | Tender Fee           | 400.00                             | 05/06/2015 |
| 10001                                               | RISL Processing Fee  | 1000.00                            | 05/06/2015 |
| 10002                                               | Bid Security Deposit | 30,000.00                          | 05/06/2015 |
| <b>Issuer Detail :</b> Jaipur Development Authority |                      | <b>ChallanNumber:</b> 641515600014 |            |

## JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

### Special Terms & Conditions for Electrification work.

1. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority.
2. The contractor has to arrange the sampling of material for test i.e. UL test for LED lights, CTL/NABL accredited lab test for cables/wire, Poles, Panels, Transformers etc. and other test which are required by engineer in-charge or Third party independent monitor for quality control. He will have to deposit the necessary fees, which shall be reimbursed by JDA.
3. The contractor will coordinate for the system handing over and charging process and if any defects, is pointed out by the RSEB/JVVNL/PWD/JNN, then he will have to rectify the same.
4. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL/PWD/JNN and system is charged.
5. The scope may be reduced as per requirement of project.
6. The Contractor will arrange the inspection of material at works (factory) at his own cost. The inspection of material at works (factory) shall be borne by the firm. The contractor will bring only inspected material at site after getting dispatch clearance from the engineer in-charge.
7. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
8. The contractor shall return unused material issued to him by the deptt. If desired by the Engineer in-charge and in case, of failure to do so he shall be charged for such unreturned material at double the issue rate including storage and supervision charges or the market rate whichever is higher. The basis of the theoretical consumption and allowing for wastage @ 5% at double the issue rate including storage and supervision charges or market rate whichever is higher.
9. **The contractor shall be fully responsible to follow safety code as per IS 3764:1992 (upto date). The work should be executed without damaging existing water pipe line, LT/HT electric underground cable, poles, existing surface drain, water connections, Telephone cables etc. In case of any damages the penalty/ liability imposed for such work shall be borne by the contractor and shall be got repaired immediately by arranging material/ labor/ assistance etc. In case of delay JDA reserve right to execute/ get executed the work at the cost and risk of the contractor.**
10. It is a mandatory condition that contractor will get all insulated material tested from CTL of JVVNL before using it at site.

**Executive Engineer (Elect.-I)  
JDA, Jaipur**

I carefully study & do agree for above terms & Conditions.

Signature & Seal of the Contractor

# JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

## DETAILED SPECIAL CONDITION AND SPECIFICATIONS

1. No opening shall be left uncovered during night. The bidder shall make all arrangement to avoid any claim if preferred on his account shall be the liability of the bidder.
2. No road or part of the road shall be cut without taking the prior permission in writing from the competent authority. The permission shall be arranged by bidder on the request of JDA. However, any changes will be borne by JDA.
3. The contractor shall be deemed to have carefully examined the specifications general condition and tender drawing etc. and they have been fully informed and have satisfied himself as to the nature and character of the work to be executed site conditions and other relevant matters and details.
4. References to standard code specifications recommendation shall mean the attested addition of such publications of the work to be executed at site before the date of invitation to submit proposals.
5. The excavated material shall be place within 1.5 Mtr. of the edge the half of the depth of the trench with have is more site clear shall be done within 24 hours.
6. The work shall be carried out strictly complying within Indian Electricity Rules in forces and as per specifications for Electrical work issued by PWD Raj., Jaipur 1980.

**7. Trenching:** The trenches shall be of shaper size as instructed by the Engineer-In-Charge.

(a) **Width**

- (i) The minimum width of trench for laying single cable shall be 35 Cm.
- (ii) Where more than one cable is to be laid in the same trench in horizontal formation. The width of the trench shall be increased such that the spacing between the cables shall be at least 20 Cm.

(b) **Depth:**

- (i) Where cable core laid in single tier formation in the total depth of shall not be less than 75 cm for cable upto 1.1 KV.
- (ii) When more than one tier of cable is unavoidable and vertical formation of laying is adopted depth of trench in (i) above shall increases by 30 cm for each additional tier to be formed.
- (iii) The depth shall be 1.0 Mtr. of 11 KV, 1.5 Mtr. For 33 KV.

(c) **Excavation**

The trench must be excavated straight and if it is necessary to give band or curve radius of such trench shall be at least 12 time the overall dia meter of the cable.

(d) **Placing of the Cable**

The cable must be places in the trench on band of fine sand of 8 cm thick bed, and the cable shall be laid below water and sewer lines.

- (e) For the safe guard of cable it must have covering of clean dry rever sand or any other type of soil as directed by Engineer-In-Charge in not less than 17 cm.

(f) **Protection**

To protect the cable against mechanical damages the second class bricks or stone katla as specification shall be placed over the cable width wise.

8. Satisfactory type/acceptance test that results wherever applicable conducted from Govt./Govt. approved laboratory as per ISS shall be submitted prior to use. The routine tests of cable shall be conducted only after delivery at site at his own cost.

**9. Earthing**

The ground Earthing shall be done generally confirming to IS specification of 3043-1966 all the work earth terminal be provided duly crimped/soldered.

10. **Submission of drawing by the contractor**

The following two drawing are required to be submitted by the contractor.

- (i) **Main Panel Drawing:** The Contractor shall submit the drawing of all the electric main panels all dimensions, all internal connection, diagram, well before its fabrication and obtain prior approval of the drawings from the competent authority.
- (ii) **Completion drawings:** The contractor shall submit the completion drawings of the project showing the roots of the cable and position of panel etc. and as built drawings.

11. **Testing**

The following test shall be performed by the contractor at his own cost.

- (i) **Continuity and installation test of cable:** The contractor shall arrange for the continuity of cable for well use of the perfect of the cable.
- (ii) **Megger Testing:** The whole installation shall be arranged to be test by contractor after its completion shall in presence of Engineer-In-Charge and results shall be recoated and signed jointly.

- 12. Earthing Testing: Earth test shall be performed by the contractor and results will be used be recorded and signed jointly.
- 13. Any other test for cable etc. required shall be arranged by the contractor.
- 14. No condition of any short except as provided in the printed from schedule of quantities will be entertained.
- 15. Conditions given in the bid from apply in full.
- 16. The contractor shall have to obey the labour laws. The labour shall have to pay monthly and shall have first line on the bill of contractor, in case of complaint of labour and nonpayment of wages is received to the department.
- 17. The rate of every item should be quoted against each in figures and in words as well for complete Non BSR Items.
- 18. In case of any typographical error in nomenclature, unit and rate, the rates as per BSR on which 'G' Schedule is prepared shall be binding on the tenders.
- 19. In case of any dispute the Executive Engineer (Electrical-I) decision shall be final.
- 20. The bidders are expected to be fully conversant with the general and special conditions of contract in force in this office. They must see the site of work acquaint themselves of the position of the materials. Fluctuation of the rates in the market, see the schedule and plans in the office and remove doubts, if any, before submitting their tenders.
- 21. The JDA is not responsible for arranging any material whatsoever any the contractor will have to complete the work within the specified time with specified material and approved accessories, from the stock, non-availability of material or delay in the consignment will not be entertained to as an excuse for extension of time for completion of work.
- 22. Contractor will not be paid extra for sales or any other tax.
- 23. Bid must be submitted on the prescribed forms duly signed by the bidder on every page.
- 24. All the papers signed by the parties to this contract and bond together and sealed shall deemed to form part of the contract bond and shall be read as conditions of contract.
- 25. In every case in which by virtue for the provisions of section 12 sub section (I) of the workman's Compensation Act. 1923 cost is obliged to pay compensation to a workman employed by the contractor or by a sub-contractor for execution to said work, Govt. will recover from the contractor the amount of the compensation paid and without prejudice to the rights of Govt. under section 12 sub section (2) of the said Act, Govt. shall be at liberty to recover such amount or any part thereof by deducting if from the earnest money deposited by the contractor to his credit or any other sum due by Govt. to the contractor whether under this contract or otherwise.

26. The contractor should have submit safety certificate for equipment each year separately in maintenance period.
27. The contractor shall arrange the certificate from electric inspector on completion of the electric installation at his own. However, any fee to be paid on this account shall be paid by the JDA.
28. The entire material should be as per G-Schedule specification.

I/We have carefully study the instructions / conditions mentioned above & do hereby undertake to agree for the same.

**SIGNATURE OF CONTRACTOR  
WITHFULL ADDRESS:**

**EXECUTIVE ENGINEER (Elect.-I),  
JDA, JAIPUR**

Note:-

1. किसी भी निविदा को बिना कारण बताये निरस्त किया जा सकता है।
2. आवेदक / संवेदक को निविदा प्राप्त करने के लिये आवेदन के साथ पंजीयन प्रमाण पत्र की प्रति प्रस्तुत करना अनिवार्य है।
3. आवेदक / संवेदक को निविदा प्रपत्र पर अपना पता एवं दूरभाष नम्बर अंकित करना अनिवार्य है।

# **JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

## **SPECIAL CONDITION OF THE CONTRACT FOR PRE-BID QUALIFICATION OF CONTRACTORS**

**Name of work: - Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur.**

Special conditions of contract of PRE-BID QUALIFICATION as detailed here under, shall be applicable in addition to all other terms and condition already prescribed under standard agreement forms/rules and regulations to contract:

### **1. Procedure:**

Procedure for **PRE- BID QUALIFICATION** would be as follow:

- (a) Two-envelope (docket) system would be adopted, for PRE-BID QUALIFICATION, Docket-1 being for Technical Bid and Docket-2 being for Financial Bid.

Docket-1:- There will be three separate folders- **Folder-1** is for proof of deposition of Bid Security, cost of bidding document and bid processing fee along with copy of GST registration, Annexure -B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal and copy of enlistment as contractor/ bidder. **Folder-II** is for bid document and **folder-III** is for technical bid.

Docket-2:- There will two separate **folders-1** is for financial bid and **folders-2** is for bill of quantities.

- (b) The technical bid will be opened only of whose bidders those proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in required category and signed Annexure -B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal are found to be in order. The bid Security will be accepted only in from of online deposition or in form of Bank Guarantee.
- (c) The Technical Bid envelope would be opened on the dated **22.08.2023 at 11.00 AM** in the chamber of Executive Engineer Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur- 302004 (Rajasthan)
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the PRE-BID QUALIFICATION CRITERIA.

### **2. Criteria:**

Criteria for **PRE-BID QUALIFICATION** would be as follows:-

- (a) The bidder should have executed at least 01 Nos. of 33/0.4 KV or above voltage class GIS switch yard/GIS Sub-Station in the last five financial years.

### **Note:-**

- (i) **Certificate issued by Government of India, State Governments, Union Territory, Government, Undertaking, Autonomous Bodies shall only be considered.**

- 2(b) The bidder should have completed at least one similar nature work (The bidder who have executed the GIS type Sub-Station/Other electrical works like HT/LT line work/DG Set/33/11 KV or 33/0.4 KV Sub-Station etc.) in last Seven Financial Year (including current year, if opted by the bidder) of value not less than 50% of the estimated cost of The work (bid cost) updated to present price level.
- 2(C) The bidder should have achieved an annual financial turnover of at least 60% of the estimated cost of work (bid cost) in any one of the last Seven financial years (including current year, if opted by the bidder)

**Note:-**

- (i) The bidder should enclose certificate of Turn Over from Chartered Accountant for last seven financial year & audited balance sheet of the year which is considered by the bidder in criteria 2(c).
  - (ii) If current year or last year has been opted by bidder whose balance sheet is not submitted till the submission of bid then certificate from Chartered Accountant should be enclosed.
- 2(d) The bidder should give self-declaration to deploy the machinery and equipment as specified in Schedule-III for the execution of this work.
- 2(e) Bid Capacity: Bidders who meet the minimum qualification criteria will be qualified only if available bid capacity is equal to or more than the total Bid Value.

The available bid capacity will be calculated as under:

$$\text{Bid capacity} = (A \times N \times 3 - B)$$

- Where A= Maximum value of electrical engineering work executed in any one year during the last Seven financial years(updated to preset Price level) taking in to account the completed as well as works in progress. However, the bidder may opt current year in the seven year assessment period (Annexure-IV).
- N= Number of year prescribed for completion of the work of which bids are invited. In present case value of N shall be - 01.
- B= Value, at present price level of existing commitments and ongoing works to be executed during “N” period (period prescribed for completion of the works for which the bids are invited)

**Note:-**

- (i) **Certificate from Chartered Accountant should be enclosed by bidder clearly indicated maximum value of Engineering Work in one Financial Year.**

- 2(f)** Litigation History:- Bidder should provide an accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last Seven years. The maximum value (updated at the present price level) of disputed amount claimed in the litigation/arbitration resulting from contracts executed in last five years shall be deducted from the calculated Bid Capacity of the bidder. The details shall be furnished in Schedule VI.

**Note:-**

- (I) The present price level for turnover, cost of completed work & disputed amount of similar nature, the previous years value shall be given weightage of 10% per years as follows:-**

| <b>Financial Year</b>                      | <b>Factors</b> |
|--------------------------------------------|----------------|
| <b>(a) For current year</b>                | <b>1.00</b>    |
| <b>(b) For First last financial year</b>   | <b>1.00</b>    |
| <b>(c) For second last financial year</b>  | <b>1.10</b>    |
| <b>(d) For third last financial year</b>   | <b>1.21</b>    |
| <b>(e) For fourth last financial year</b>  | <b>1.33</b>    |
| <b>(f) For Fifth last financial year</b>   | <b>1.46</b>    |
| <b>(g) For sixth last financial year</b>   | <b>1.60</b>    |
| <b>(h) For seventh last financial year</b> | <b>1.76</b>    |

3.0 The bidder should furnish the following documents along with the technical bid;

- (a) Information regarding financial resources and capability in Schedule-I.
- (b) Information regarding works executed in the last seven years in Schedules-II.
- (c) Certificates from the concerned Engineer-In-Charge in support and verification of the information furnished in Schedule-II.
- (d) Self-declaration regarding machinery and equipment required for deployment, as detailed in Schedule-III.
- (e) Information regarding details of maximum value of electrical engineering works executed in any one year during the last seven years taking into account the completed as well as works in progress in schedule-IV.
- (f) Information regarding existing commitments and ongoing works to be completed in schedule-V.
- (g) Information regarding details of litigation or arbitration contracts to be furnished in schedule-VI.
- (h) Calculation of Bid capacity in schedule-VII.
- (i) Self-declaration as per Annexure I.
- (j) Details regarding evaluation criteria in schedule-VIII.

**Note:-** These schedules are mandatory to fill by the bidder, failing which the information be treated as NIL.

#### 4.0 **Important:**

- (a) The bidder must ensure that all the information required in the Document is furnished by him completed in all respects. He would not be allowed to withdraw any document, or to rectify any information furnished therein, after submitting the bid.
- (b) The bidder should give self-declaration that the information furnished in schedule I to VIII is correct. If any information is found incorrect, the offer of the bidder shall be rejected and action be taken as per rules.
- (c) Bidders must do paging of all enclosure of bid documents.

#### 5.0 **Rejection of bids:**

The department reserves the rights to reject any bid or to disqualify any or all the bidders, without assigning any reasons at any stage.

- (I) If bid is not accompanied with the requisite documents mentioned in clauses 3(a) to 3(i) or is not in accordance with procedure specified in para 1, or is not accompanied with bid security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder and registration of contractor in required category it would be liable for rejection.
- (II) Furnish of incorrect or concealment of any information required in the bid documents would render the bid liable for rejection.
- (III) The bidder shall prepare bid in the digital/ electronic mode for uploading on e-procurement portal in the format/type of file specified in evaluation qualification criteria" all the documents uploaded should be digitally signed with DSC of authorized signatory, deemed as all the pages of the uploaded documents are signed."
- (IV) The self-declaration and annexure "B" enclosed by the bidder regarding qualifications of RTPP Act, 2012 and Rules, 2013 along with bid documents, should be signed by the participating bidders before uploading bid documents otherwise the bid will be rejected as per officer order No. 194 dated 06.09.2022.

**Executive Engineer (Elect.-I)**

**JDA, JAIPUR**

**SCHEDULE-I**  
**FINANCIAL RESOURCES AND CAPABILITY**  
**(Reference clause 3(a))**

1. Name of Bidder:-

2. Total financial turnover achieved by the bidder in the last Seven financial years;

| <b>S.No.</b> | <b>Year</b> | <b>Turnover</b> |
|--------------|-------------|-----------------|
| (i)          |             |                 |
| (ii)         |             |                 |
| (iii)        |             |                 |
| (iv)         |             |                 |
| (v)          |             |                 |
| (vi)         |             |                 |
| (vii)        |             |                 |

Note: Balance Sheets and Profit & Loss Accounts is to be enclosed by the bidder which is considered by him as per criteria 2(a).

3. Total financial Turnover projected in the current financial year.
4. Has the bidder ever been debarred from tendering for Central Government/State Government/any Government undertaking?  
Yes/No, If yes give details.
5. Has bidder ever been declared insolvent?  
Yes/No, If yes give details.
6. Name(s) and Address of Branch/(s) for bidder's Bankers.

I/We hereby certify that the above information is correct to the best of my/our knowledge and belief.

Date:

**Signature & Seal  
of the Bidders**

## SCHEDULE-II

(Reference clause 3(b) & 3(c))

### DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

| S. No. | Name of Works (with agreement No. & Date) | Client | Place (district/state) | Financial Year | Principal Items of work as per 2(a) |
|--------|-------------------------------------------|--------|------------------------|----------------|-------------------------------------|
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |

Note:- Certificates from concerned Engineers-in-charge should be enclosed in support and verification of the above statement.

Date:

**Signature & Seal  
of the Bidders**

### SCHEDULE-III

(Reference clause 3(d))

#### Self-Declaration

Attested photo of the bidder

I/We.....Proprietor/Partner/ Authorized signatory of M/s.....under take the oath that I/We will deploy the machinery and equipment listed below as and when required in the execution of this work.

| S. No. | Name of Machinery                          | Minimum Requirement | Availability |        |
|--------|--------------------------------------------|---------------------|--------------|--------|
|        |                                            |                     | Owned        | Leased |
| 1.     | Digital Insulation tester 5 KV, with timer | 1 No's              |              |        |
| 2.     | HV Test set                                | 1 No's              |              |        |
| 3.     | Hydraulic Crimping tool up to 300 Sqmm     | 1 No's              |              |        |
| 4.     | Multi-meter                                | 1 No's              |              |        |

I/We hereby certify that the above information is correct to the best of my/our knowledge and belief.

Signature of Bidder

Note:- This self-declaration is mandatory to be signed by the bidder failing which the bid shall summarily be rejected without asking any clarification.

**Signature & Seal  
of the Bidders**

**SCHEDULE-IV**

**(Reference clause 3(e))**

**DETAILS OF MAXIMUM VALUE OF ELECTRICAL WORKS EXECUTED IN ANY ONE  
YEAR DURING LAST FIVE YEARS.**

| <b>FINANCIAL YEAR IN LAST FIVE<br/>YEARS</b> | <b>COST OF WORK EXECUTED IN<br/>FINANCIAL YEAR</b> |
|----------------------------------------------|----------------------------------------------------|
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |

**Signature & Seal  
of the Bidders**

## **SCHEDULE-V**

**(Reference clause 3(f))**

### **DETAILS OF EXISTING COMMITMENTS & ON GOING WORKS TO BE COMPLETED**

| <b>S. No.</b> | <b>Name of Works (with agreement No. &amp; Date)</b> | <b>Client</b> | <b>Cost of work as per Work Order</b> | <b>Stipulated date of commencement</b> | <b>Stipulated date of completion</b> | <b>Value of balance work on date of tender</b> | <b>Likely date of completion of balance work</b> |
|---------------|------------------------------------------------------|---------------|---------------------------------------|----------------------------------------|--------------------------------------|------------------------------------------------|--------------------------------------------------|
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |
|               |                                                      |               |                                       |                                        |                                      |                                                |                                                  |

**Signature & Seal  
of the Bidders**

## SCHEDULE-VI

(Reference clause 3(g))

### DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

| S. No. | Name of Works (with agreement No. & Date) | Client | Work Order | Disputed Amount claimed in Litigation/ Arbitration | Date of Raising Disputed Amount | Actual Award Amount, if the case is Decided | Cause of Litigation & matter in Dispute |
|--------|-------------------------------------------|--------|------------|----------------------------------------------------|---------------------------------|---------------------------------------------|-----------------------------------------|
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |

**Signature & Seal  
of the Bidders**

## SCHEDULE-VII

(Reference clause 3(h))

### BID CAPACITY

|    |                                                                                                                                        |           |                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|
| 1. | A= Maximum value of electrical Engineering works Executed in any one year during the last Seven Years (Updated to present price level) | .....Lacs | Certified details enclosed at Page No..... |
| 2. | N= Number of years prescribed for completion of the work for which bids are invited                                                    | .....     |                                            |
| 3. | B= Value, at present price level of existing Commitments and ongoing works to be Completed during the next N Period.                   | .....Lacs | Certified details enclosed at Page No..... |

Bid Capacity=  $A \times N \times 3 - B$

= .....Lacs

**Signature & Seal  
of the Bidders**

**Schedule- VIII**  
**(Reference clause 3(J))**

**Details Regarding Evaluation Criteria**

**Name of work :-**

| S. No. | Item                                                                                                                                                                                                                                                                                                                                                                                                     | Minimum Requirement (As per Bid) | Remark |      |      |          |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|------|------|----------|
|        |                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |        | Year | Qty. | Page No. |
| 1      | Copy of GST Reg. Certificate                                                                                                                                                                                                                                                                                                                                                                             |                                  |        |      |      |          |
| 2      | Copy of Registration certificate                                                                                                                                                                                                                                                                                                                                                                         |                                  |        |      |      |          |
| 3      | 1. Proof of Bid Security deposition<br>2. Proof of bidding document cost deposition<br>3. Proof of RISL fees deposition.                                                                                                                                                                                                                                                                                 |                                  |        |      |      |          |
| 4      | The bidder should have executed at least 01 Nos. of 33/0.4 KV or above voltage class GIS switch yard/GIS Sub-Station in the last five financial years.                                                                                                                                                                                                                                                   |                                  |        |      |      |          |
| 5      | The bidder should have completed at least one similar nature work (The bidder who have executed the GIS type Sub-Station/Other electrical works like HT/LT line work/DG Set/33/11 KV or 33/0.4 KV Sub-Station etc.) in last Seven Financial Year (including current year, if opted by the bidder) of value not less than 50% of the estimated cost of The work (bid cost) updated to present price level |                                  |        |      |      |          |
| 6      | The bidder should have achieved an annual financial turnover of at least 60% of the work (Bid cost) in any one of last seven financial year (including current year)                                                                                                                                                                                                                                     |                                  |        |      |      |          |
| 7      | The bidder should give declaration to deploy the machinery and equipment as specified in schedule-III, for the execution of this work. Duly Self-attested.                                                                                                                                                                                                                                               |                                  |        |      |      |          |
| 8      | Bid Capacity (A x N x 3 - B)<br>Here A is Maximum value of electrical engineering work executed in any one of last 7 financial years. N is number of Years Prescribed for completion of the work. B is value at present price level of existing commitments and ongoing.                                                                                                                                 |                                  |        |      |      |          |
| 9      | Declaration in support of information finished by bidder in Annexure-I                                                                                                                                                                                                                                                                                                                                   |                                  |        |      |      |          |
| 10     | Schedule-VI (Details of Litigation).                                                                                                                                                                                                                                                                                                                                                                     |                                  |        |      |      |          |
| 11     | Signed Annexure "B"(RTPP Act/Rules)                                                                                                                                                                                                                                                                                                                                                                      |                                  |        |      |      |          |

Note:- This sheet must be prepared and submitted by the bidders.

**Signature & Seal  
of the Bidders**

Attested  
photo of  
the bidder

**Self-Declaration**

I/We.....Proprietor/Partner/ Authorized  
ed signatory of M/s.....under take the oath  
that the information furnished by me/us in schedule I to VIII of the assessment Bid  
for.....  
.....is correct to the best of my/our knowledge. If any information  
id found to be incorrect JDA has right to reject the Bid and to take action against me/us as  
per rules.

.....

Proprietor/Partner/ Authorized signatory

M/s.....

...

.....

Note:- This Self-Declaration is mandatory to be signed by the bidder failing which the bid shall summarily be rejected without asking any clarification.

### **List of Approved makes:**

| <b>S. NO.</b> | <b>DESCRIPTION</b>                      | <b>MAKE</b>                                                            |
|---------------|-----------------------------------------|------------------------------------------------------------------------|
| 1             | DIESEL ENGINE                           | CUMMINS , VOLVO PENTA, MTU                                             |
| 2             | ALTERNATOR                              | STAMFORD, LEROY SOMER                                                  |
| 3             | ACB                                     | L&T, SIEMENS, ABB, SCHNEIDER                                           |
| 4             | MCCB                                    | L&T, SIEMENS ,ABB, SCHNEIDER                                           |
| 5             | CIRCUIT BREAKER (MCB / RCCB / RCBO )    | SCHNEIDER / ABB / SIEMENS / L&T                                        |
| 6             | LIGHTNING PROTECTION / ARRESTOR         | CAPE / OBO / JEF TECHNO / DEHN                                         |
| 7             | CABLE GLANDS AND METALLIC LUGS          | DOWELS / COSMOS / COMET                                                |
| 8             | DIGITAL / ANALOGUE MULTIFUNCTION METERS | L & T / SCHNEIDER / SIEMENS / ABB / AE/SECURE                          |
| 9             | PUSH BUTTONS/ INDICATING LAMPS LED      | SCHNEIDER / ABB / L & T/ SIEMENS                                       |
| 10            | RELAYS & TIMER                          | ABB/SCHNEIDER/SIEMENS                                                  |
| 11            | CONTROL FUSES                           | SCHNEIDER / ABB / L & T / SIEMENS                                      |
| 12            | M S MATERIAL                            | TATA, JINDAL                                                           |
| 13            | M S PIPING                              | TATA, JINDAL,                                                          |
| 14            | AVIATION OBSTRUCTION LIGHT              | BAJAJ , GE                                                             |
| 15            | TRANSFORMER                             | ALSTOM, CROMPTON GREAVES, SCHNEIDER, VOLTAMP, ABB, EMCO, BHARAT BIJLEE |
| 16            | BUS DUCT                                | L&T, SCHNEIDER, C&S, GE , SIEMENS, ABB                                 |
| 17            | RMU                                     | ABB/SIEMENS/ SCHNEIDER INFRA                                           |
| 18            | GIS PANEL                               | ABB/SIEMENS/ SCHNEIDER INFRA                                           |
| 19            | SCADA                                   | ABB/SIEMENS/ SCHNEIDER INFRA                                           |



# **JAIPUR DEVELOPMENT AUTHORITY**

**Name of Work: - Electrification (SITC of 33/0.4 KV GIS Substation, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur.**

## **TECHNICAL BID**

**Executive Engineer (Elect.-I)  
JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

# JAIPUR DEVELOPMENT AUTHORITY JAIPUR

## TECHNICAL BID

### (Pre-bid Qualification)

Envelop-1

## FOR

**Name of Work: - Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipuraipur.**

|                                     |                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Period of Sale: -                   | From 27.07.2023, 9.30 AM to 16.08.2023, 6.00 PM                                                                                                             |
| Date of Submission of the tender: - | Up to 16.08.2023, 6.00 PM                                                                                                                                   |
| Date of Opening of Technical bid: - | On 22.08.2023 at 11.00 AM at Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur- 302004 (Rajasthan) |
| Cost of tender: -                   | Rs. 2160.12 Lacs                                                                                                                                            |
| Completion period: -                | 07 Months                                                                                                                                                   |

NAME OF AGENCY -----

**Executive Engineer (Elect.-I)  
JDA, Jaipur.**

# **JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

## **SPECIAL CONDITION OF THE CONTRACT FOR PRE-BID QUALIFICATION OF CONTRACTORS**

**Name of work: - Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur.**

Special conditions of contract of PRE-BID QUALIFICATION as detailed here under, shall be applicable in addition to all other terms and condition already prescribed under standard agreement forms/rules and regulations to contract:

### **1. Procedure:**

Procedure for **PRE- BID QUALIFICATION** would be as follow:

- (a) Two-envelope (docket) system would be adopted, for PRE-BID QUALIFICATION, Docket-1 being for Technical Bid and Docket-2 being for Financial Bid.  
Docket-1:- There will be three separate folders- **Folder-1** is for proof of deposition of Bid Security, cost of bidding document and bid processing fee along with copy of GST registration, Annexure -B'' (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal and copy of enlistment as contractor/ bidder. **Folder-II** is for bid document and **folder-III** is for technical bid.  
Docket-2:- There will two separate **folders-1** is for financial bid and **folders-2** is for bill of quantities.
- (b) The technical bid will be opened only of whose bidders those proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in required category and signed Annexure -B'' (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal are found to be in order. The bid Security will be accepted only in from of online deposition or in form of Bank Guarantee.
- (c) The Technical Bid envelope would be opened on the dated **22.08.2023 at 11.00 AM** in the chamber of Executive Engineer Room No. JB FF-114, Court Building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur- 302004 (Rajasthan)
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the PRE-BID QUALIFICATION CRITERIA.

### **2. Criteria:**

Criteria for **PRE-BID QUALIFICATION** would be as follows:-

- (a) The bidder should have executed at least 01 Nos. of 33/0.4 KV or above voltage class GIS switch yard/GIS Sub-Station in the last five financial years.

### **Note:-**

- (i) **Certificate issued by Government of India, State Governments, Union Territory, Government, Undertaking, Autonomous Bodies shall only be considered.**

- 2(b) The bidder should have completed at least one similar nature work (The bidder who have executed the GIS type Sub-Station/Other electrical works like HT/LT line work/DG Set/33/11 KV or 33/0.4 KV Sub-Station etc.) in last Seven Financial Year (including current year, if opted by the bidder) of value not less than 50% of the estimated cost of The work (bid cost) updated to present price level.
- 2(C) The bidder should have achieved an annual financial turnover of at least 60% of the estimated cost of work (bid cost) in any one of the last Seven financial years (including current year, if opted by the bidder)

**Note:-**

- (i) The bidder should enclose certificate of Turn Over from Chartered Accountant for last seven financial year & audited balance sheet of the year which is considered by the bidder in criteria 2(c).
- (ii) If current year or last year has been opted by bidder whose balance sheet is not submitted till the submission of bid then certificate from Chartered Accountant should be enclosed.
- 2(d) The bidder should give self-declaration to deploy the machinery and equipment as specified in Schedule-III for the execution of this work.
- 2(e) Bid Capacity: Bidders who meet the minimum qualification criteria will be qualified only if available bid capacity is equal to or more than the total Bid Value.  
The available bid capacity will be calculated as under:

$$\text{Bid capacity} = (A \times N - B)$$

- Where A= Maximum value of electrical engineering work executed in any one year during the last Seven financial years(updated to preset Price level) taking in to account the completed as well as works in progress. However, the bidder may opt current year in the seven year assessment period (Annexure-IV).
- N= Number of year prescribed for completion of the work of which bids are invited. In present case value of N shall be - 01.
- B= Value, at present price level of existing commitments and ongoing works to be executed during "N" period (period prescribed for completion of the works for which the bids are invited)

**Note:-**

- (i) **Certificate from Chartered Accountant should be enclosed by bidder clearly indicated maximum value of Engineering Work in one Financial Year.**
- 2(f) **Litigation History:-** Bidder should provide an accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last Seven years. The maximum value (updated at the present price level) of disputed amount claimed in the litigation/arbitration resulting from contracts executed in last five years shall be deducted from the calculated Bid Capacity of the bidder. The details shall be furnished in Schedule VI.

**Note:-**

- (I) The present price level for turnover, cost of completed work & disputed amount of similar nature, the previous years value shall be given weightage of 10% per years as follows:-

| Financial Year                      | Factors |
|-------------------------------------|---------|
| (a) For current year                | 1.00    |
| (b) For First last financial year   | 1.00    |
| (c) For second last financial year  | 1.10    |
| (d) For third last financial year   | 1.21    |
| (e) For fourth last financial year  | 1.33    |
| (f) For Fifth last financial year   | 1.46    |
| (g) For sixth last financial year   | 1.60    |
| (h) For seventh last financial year | 1.76    |

3.0 The bidder should furnish the following documents along with the technical bid;

- (a) Information regarding financial resources and capability in Schedule-I.
- (b) Information regarding works executed in the last seven years in Schedules-II.
- (c) Certificates from the concerned Engineer-In-Charge in support and verification of the information furnished in Schedule-II.
- (d) Self-declaration regarding machinery and equipment required for deployment, as detailed in Schedule-III.
- (e) Information regarding details of maximum value of electrical engineering works executed in any one year during the last seven years taking into account the completed as well as works in progress in schedule-IV.
- (f) Information regarding existing commitments and ongoing works to be completed in schedule-V.
- (g) Information regarding details of litigation or arbitration contracts to be furnished in schedule-VI.
- (h) Calculation of Bid capacity in schedule-VII.
- (i) Self-declaration as per Annexure I.
- (j) Details regarding evaluation criteria in schedule-VIII.

Note:- These schedules are mandatory to fill by the bidder, failing which the information be treated as NIL.

#### **4.0 Important:**

- (a) The bidder must ensure that all the information required in the Document is furnished by him completed in all respects. He would not be allowed to withdraw any document, or to rectify any information furnished therein, after submitting the bid.
- (b) The bidder should give self-declaration that the information furnished in schedule I to VIII is correct. If any information is found incorrect, the offer of the bidder shall be rejected and action be taken as per rules.
- (c) Bidders must do paging of all enclosure of bid documents.

## **5.0 Rejection of bids:**

The department reserves the rights to reject any bid or to disqualify any or all the bidders, without assigning any reasons at any stage.

- (I) If bid is not accompanied with the requisite documents mentioned in clauses 3(a) to 3(i) or is not in accordance with procedure specified in para 1, or is not accompanied with bid security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder and registration of contractor in required category it would be liable for rejection.
- (II) Furnish of incorrect or concealment of any information required in the bid documents would render the bid liable for rejection.
- (III) The bidder shall prepare bid in the digital/ electronic mode for uploading on e-procurement portal in the format/type of file specified in evaluation qualification criteria" all the documents uploaded should be digitally signed with DSC of authorized signatory, deemed as all the pages of the uploaded documents are signed."
- (IV) The self-declaration and annexure "B" enclosed by the bidder regarding qualifications of RTPP Act, 2012 and Rules, 2013 along with bid documents, should be signed by the participating bidders before uploading bid documents otherwise the bid will be rejected as per officer order No. 194 dated 06.09.2022.

**Executive Engineer (Elect.-I)**  
**JDA, JAIPUR**

**SCHEDULE-I**  
**FINANCIAL RESOURCES AND CAPABILITY**  
**(Reference clause 3(a))**

1. Name of Bidder:-
2. Total financial turnover achieved by the bidder in the last Seven financial years;

| S.No. | Year | Turnover |
|-------|------|----------|
| (i)   |      |          |
| (ii)  |      |          |
| (iii) |      |          |
| (iv)  |      |          |
| (v)   |      |          |
| (vi)  |      |          |
| (vii) |      |          |

Note: Balance Sheets and Profit & Loss Accounts is to be enclosed by the bidder which is considered by him as per criteria 2(a).

3. Total financial Turnover projected in the current financial year.
4. Has the bidder ever been debarred from tendering for Central Government/State Government/ any Government undertaking?  
Yes/No, If yes give details.
5. Has bidder ever been declared insolvent?  
Yes/No, If yes give details.
6. Name(s) and Address of Branch/(s) for bidder's Bankers.

I/We hereby certify that the above information is correct to the best of my/our knowledge and belief.

Date:

**Signature & Seal  
of the Bidders**

## SCHEDULE-II

(Reference clause 3(b) & 3(c))

Attested photo of the bidder

### DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST FIVE FINANCIAL YEARS

| S. No. | Name of Works (with agreement No. & Date) | Client | Place (district/state) | Financial Year | Principal Items of work as per 2(a) |
|--------|-------------------------------------------|--------|------------------------|----------------|-------------------------------------|
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |
|        |                                           |        |                        |                |                                     |

Note:- Certificates from concerned Engineers-in-charge should be enclosed in support and verification of the above statement.

Date:

**Signature & Seal  
of the Bidders**

### SCHEDULE-III

(Reference clause 3(d))

#### Self-Declaration

I/We.....Proprietor/Partner/ Authorized signatory of  
M/s.....under take the oath that I/We will deploy  
the machinery and equipment listed below as and when required in the execution of this work.

| S.<br>No. | Name of Machinery                          | Minimum<br>Requirement | Availability |        |
|-----------|--------------------------------------------|------------------------|--------------|--------|
|           |                                            |                        | Owned        | Leased |
| 1.        | Digital Insulation tester 5 KV, with timer | 1 No's                 |              |        |
| 2.        | HV Test set                                | 1 No's                 |              |        |
| 3.        | Hydraulic Crimping tool up to 300 Sqmm     | 1 No's                 |              |        |
| 4.        | Multi-meter                                | 1 No's                 |              |        |

I/We hereby certify that the above information is correct to the best of my/our knowledge and belief.

Signature of Bidder

Note:- This self-declaration is mandatory to be signed by the bidder failing which the bid shall summarily be rejected without asking any clarification.

**Signature & Seal  
of the Bidders**

## **SCHEDULE-IV**

**(Reference clause 3(e))**

**DETAILS OF MAXIMUM VALUE OF ELECTRICAL WORKS EXECUTED IN ANY ONE  
YEAR DURING LAST FIVE YEARS.**

| <b>FINANCIAL YEAR IN LAST FIVE<br/>YEARS</b> | <b>COST OF WORK EXECUTED IN<br/>FINANCIAL YEAR</b> |
|----------------------------------------------|----------------------------------------------------|
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |
|                                              |                                                    |

**Signature & Seal  
of the Bidders**

## **SCHEDULE-V**

**(Reference clause 3(f))**

### **DETAILS OF EXISTING COMMITMENTS & ON GOING WORKS TO BE COMPLETED**

| <b>S.<br/>No.</b> | <b>Name of<br/>Works (with<br/>agreement No.<br/>&amp; Date)</b> | <b>Client</b> | <b>Cost of<br/>work as<br/>per<br/>Work<br/>Order</b> | <b>Stipulated date<br/>of<br/>commencement</b> | <b>Stipulated<br/>date of<br/>completion</b> | <b>Value of<br/>balance<br/>work on<br/>date of<br/>tender</b> | <b>Likely date<br/>of<br/>completion<br/>of balance<br/>work</b> |
|-------------------|------------------------------------------------------------------|---------------|-------------------------------------------------------|------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |
|                   |                                                                  |               |                                                       |                                                |                                              |                                                                |                                                                  |

**Signature & Seal  
of the Bidders**

## SCHEDULE-VI

(Reference clause 3(g))

### DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

| S. No. | Name of Works (with agreement No. & Date) | Client | Work Order | Disputed Amount claimed in Litigation/ Arbitration | Date of Raising Disputed Amount | Actual Award Amount, if the case is Decided | Cause of Litigation & matter in Dispute |
|--------|-------------------------------------------|--------|------------|----------------------------------------------------|---------------------------------|---------------------------------------------|-----------------------------------------|
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |
|        |                                           |        |            |                                                    |                                 |                                             |                                         |

**Signature & Seal  
of the Bidders**

## SCHEDULE-VII

(Reference clause 3(h))

### BID CAPACITY

|    |                                                                                                                                        |           |                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|
| 1. | A= Maximum value of electrical Engineering works Executed in any one year during the last Seven Years (Updated to present price level) | .....Lacs | Certified details enclosed at Page No..... |
| 2. | N= Number of years prescribed for completion of the work for which bids are invited                                                    | .....     |                                            |
| 3. | B= Value, at present price level of existing Commitments and ongoing works to be Completed during the next N Period.                   | .....Lacs | Certified details enclosed at Page No..... |

Bid Capacity=  $A \times N \times 3 - B$

= .....Lacs

**Signature & Seal  
of the Bidders**

**Schedule- VIII  
(Reference clause 3(j))**

**Details Regarding Evaluation Criteria**

**Name of work :-**

| S. No. | Item                                                                                                                                                                                                                                                                                                                                                                                                     | Minimum Requirement (As per Bid) | Remark |      |      |          |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|------|------|----------|
|        |                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |        | Year | Qty. | Page No. |
| 1      | Copy of GST Reg. Certificate                                                                                                                                                                                                                                                                                                                                                                             |                                  |        |      |      |          |
| 2      | Copy of Registration certificate                                                                                                                                                                                                                                                                                                                                                                         |                                  |        |      |      |          |
| 3      | 1. Proof of Bid Security deposition<br>2. Proof of bidding document cost deposition<br>3. Proof of RISL fees deposition.                                                                                                                                                                                                                                                                                 |                                  |        |      |      |          |
| 4      | The bidder should have executed at least 01 Nos. of 33/0.4 KV or above voltage class GIS switch yard/GIS Sub-Station in the last five financial years.                                                                                                                                                                                                                                                   |                                  |        |      |      |          |
| 5      | The bidder should have completed at least one similar nature work (The bidder who have executed the GIS type Sub-Station/Other electrical works like HT/LT line work/DG Set/33/11 KV or 33/0.4 KV Sub-Station etc.) in last Seven Financial Year (including current year, if opted by the bidder) of value not less than 50% of the estimated cost of The work (bid cost) updated to present price level |                                  |        |      |      |          |
| 6      | The bidder should have achieved an annual financial turnover of at least 60% of the work (Bid cost) in any one of last seven financial year (including current year)                                                                                                                                                                                                                                     |                                  |        |      |      |          |
| 7      | The bidder should give declaration to deploy the machinery and equipment as specified in schedule-III, for the execution of this work. Duly Self-attested.                                                                                                                                                                                                                                               |                                  |        |      |      |          |
| 8      | Bid Capacity (A <sub>x</sub> N <sub>x</sub> 3-B)<br>Here A is Maximum value of electrical engineering work executed in any one of last 7 financial years. N is number of Years Prescribed for completion of the work. B is value at present price level of existing commitments and ongoing.                                                                                                             |                                  |        |      |      |          |
| 9      | Declaration in support of information finished by bidder in Annexure-I                                                                                                                                                                                                                                                                                                                                   |                                  |        |      |      |          |
| 10     | Schedule-VI (Details of Litigation).                                                                                                                                                                                                                                                                                                                                                                     |                                  |        |      |      |          |
| 11     | Signed Annexure "B"(RTPP Act/Rules)                                                                                                                                                                                                                                                                                                                                                                      |                                  |        |      |      |          |

Note:- This sheet must be prepared and submitted by the bidders.

**Signature & Seal  
of the Bidders**

**Self-Declaration**



I/We.....Proprietor/Partner/ Authorized  
signatory of M/s.....under take the oath that the  
information furnished by me/us in schedule I to VIII of the assessment Bid  
for.....  
.....is correct to the best of my/our knowledge. If any information id found  
to be incorrect JDA has right to reject the Bid and to take action against me/us as per rules.

.....  
Proprietor/Partner/ Authorized signatory  
M/s.....  
.....

Note:- This Self-Declaration is mandatory to be signed by the bidder failing which the bid shall  
summarily be rejected without asking any clarification.

**List of Approved makes:**

| S. NO. | DESCRIPTION                             | MAKE                                                                   |
|--------|-----------------------------------------|------------------------------------------------------------------------|
| 1      | DIESEL ENGINE                           | CUMMINS , VOLVO PENTA, MTU                                             |
| 2      | ALTERNATOR                              | STAMFORD, LEROY SOMER                                                  |
| 3      | ACB                                     | L&T, SIEMENS, ABB, SCHNEIDER                                           |
| 4      | MCCB                                    | L&T, SIEMENS ,ABB, SCHNEIDER                                           |
| 5      | CIRCUIT BREAKER (MCB / RCCB / RCBO )    | SCHNEIDER / ABB / SIEMENS / L&T                                        |
| 6      | LIGHTNING PROTECTION /ARRESTOR          | CAPE / OBO / JEF TECHNO / DEHN                                         |
| 7      | CABLE GLANDS AND METALLIC LUGS          | DOWELS / COSMOS / COMET                                                |
| 8      | DIGITAL / ANALOGUE MULTIFUNCTION METERS | L & T / SCHNEIDER / SIEMENS / ABB / AE/SECURE                          |
| 9      | PUSH BUTTONS/ INDICATING LAMPS LED      | SCHNEIDER / ABB / L & T/ SIEMENS                                       |
| 10     | RELAYS & TIMER                          | ABB/SCHNEIDER/SIEMENS                                                  |
| 11     | CONTROL FUSES                           | SCHNEIDER / ABB / L & T / SIEMENS                                      |
| 12     | M S MATERIAL                            | TATA, JINDAL                                                           |
| 13     | M S PIPING                              | TATA, JINDAL,                                                          |
| 14     | AVIATION OBSTRUCTION LIGHT              | BAJAJ , GE                                                             |
| 15     | TRANSFORMER                             | ALSTOM, CROMPTON GREAVES, SCHNEIDER, VOLTAMP, ABB, EMCO, BHARAT BIJLEE |
| 16     | BUS DUCT                                | L&T, SCHNEIDER, C&S, GE , SIEMENS, ABB                                 |
| 17     | RMU                                     | ABB/SIEMENS/ SCHNEIDER INFRA                                           |
| 18     | GIS PANEL                               | ABB/SIEMENS/ SCHNEIDER INFRA                                           |
| 19     | SCADA                                   | ABB/SIEMENS/ SCHNEIDER INFRA                                           |



## **JAIPUR DEVELOPMENT AUTHORITY**

**Name of Work:- Electrification (SITC of 33/0.4 KV GIS Substation, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur.**

### **Financial Bid**

**Executive Engineer (Elect.-I)**

**JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

## **SCHEDULE AND SPECIFICATIONS**

### **SCHEDULE – A: INFORMATION USEFUL FOR THE CONTRACTORS:**

The bidder should see the site and fully understand the conditions of the site before bidding and include all leads, lift etc for the material in his item rate/percentage to be quoted on the rates given in Schedule 'G'. The work shall be carried out in accordance with the Rajasthan PWD detailed specification and to the entire satisfaction of the Engineer – In – Charge of the work.

### **SCHEDULE – B: LIST OF THE DRAWING TO BE SUPPLIED BY THE DEPARTMENT**

The drawing may be seen in the office of the undersigned.

### **SCHEDULE – C: LIST OF THE DRAWING TO BE SUPPLIED BY THE CONTRACTOR:**

List of the drawing to be supplied by the contractor NIL. But the contractor shall have to arrange at his own cost drawings required for the work after deposition necessary cost with JDA.

### **SCHEDULE - D: TEST OF THE MATERIALS:**

The test of the materials and workmanship shall be conducted by the JDA staff as necessary. The result of such tests should confirm to the standards laid down in the Indian standard & or the standards laid down in the detailed specifications of the work by the contractor. Qualified personnel required as per the contractor enlistment rules shall have to be engaged at site by the Contractor. The authority reserves the right to engage such staff and recover the expenses from the contractor on such account in case of his failure to do so.

### **SCHEDULE – E: SAMPLES OF THE MATERIALS:**

The sample of the materials to be used by the contractor shall be deposited 15 days in advance with the Engineer In charge and be got approved by him before use.

### **SCHEDULE - F: TIME OF COMPLETION:**

The work should start within 10 days of the issue of the work order and complete within time limits.

### **SCHEDULE – G: ATTACHED SEPARATELY BASED ON APPLICABLE BSRs IN JDA.**

### **SCHEDULE – H: SPECIAL CONDITION: Attached Separately.**

### **SCHEDULE – I: COST OF TENDER DOCUMENTS, PROCESSING FEES & BID SECURITY.**

The Bid Processing fee is payable in favor of M.D. RISL & Cost of bid document & Bid Security is payable in Favour of the Secretary, JDA, Jaipur. Bidders have to pay bid processing fees, cost of bidding documents, and Bid Security Online. **If a bidder opts to**

deposit the bid security through bank guarantee, the bank guarantee should be valid for the next seven months after the bid opening date. A copy of the such bank guarantee will be required to be attached with the bid submission documents uploaded on the E-procurement portal of GOR. The bank guarantee will be physically handed over upto prescribed time to Nodal officer of the on-line tendering system of JDA i.e. D.D( E&B) in room No. 215N Extension building, JDA, JLN marg, Jaipur, as per specified in bidding documents,

Annexure-1. Special Conditions of Contract regarding defect liability period.

Annexure-2A. Bank guarantee will be in specified Performa enclosed with this bidding document for Bid Security.

Annexure-2B. Bank guarantee will be in specified Performa enclosed with this bidding document for Performance Security.

Annexure-A. Compliance with the code of integrity and no conflict of interest (RTPP Act/Rules).

Annexure-B. Declaration by the bidder regarding qualifications (RTPP Act/Rules).

Annexure-C. Grievance Redressal during the procurement process (RTPP Act/Rules).

Annexure-D. Additional Conditions of Contract (RTPP Act/Rules).

Annexure-E. Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA & Bid Submission on 'e-Procurement Portal' of Government of Rajasthan.

**Executive Engineer-(Elect.-I)  
JDA, Jaipur**

## SPECIAL CONDITIONS

### **SCHEDULE 'H'**

01. If there is any typographical error or otherwise in the 'G' Schedule, the rates given in the relevant BSR on which Schedule 'G' has been prepared, shall prevail.
02. The bidder shall follow the provisions of the builder labour regulation and abolition Act, 1970 & Rule, 1971.
03. The JDA shall have the right to cause an audit for technical examination of the work and the final bills of the bidder including all supporting vouchers, abstracts etc. to be made within two years after payment of the final bills and if as a result of such audit, any amount is found to have been overpaid / excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed, the bidder shall be liable to refund such amount and it shall be lawful for the JDA to recover the such sum from him in the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the bidder was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such underpayment shall be paid by the JDA to the bidder.
4. Wherever any claim against the bidder for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the performance security of the bidder, In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time their contract with the JDA should this sum be sufficient to recover the full amount recoverable. The bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
5. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
6. By submission of the Bid the bidder agrees to abide by all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
7. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
8. If any bidder withdraws his Bid prior to the expiry of said validity period given at S. No. 5 or mutually extended prior or makes modifications in the rate, terms and conditions of the Bid within the said period which are not acceptable to the authority or fails to commence the work in the specified period, fails to execute the agreement the authority shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of bid security given in any form absolutely. If any bidder, who has submitted a Bid does not execute the agreement or start the work or does not complete the work and the work has to be put to rebidding he will stand debarred for six months from participating of Biding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
9. Any material not conforming to the specifications collected at the site have to be removed by the bidder within a period of 3 days of the instruction, issued by the Engineer -In charge in writing failing which, such material shall be removed by

- the Engineer-In charge at risk and cost of the bidder after the expiry of 3 days period.
10. The material collected at the site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed fully on the work.
  11. The rates provided in the Bidding documents are inclusive of all Taxes and royalties otherwise specified.
  12. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule, Source/ borrow pit area for the earth shall have to be arranged by the Bidder at his own cost.
  13. Undersigned has full right to reject any or all Bids without giving any reasons.
  14. As per the Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the etc."
  15. Special Conditions of the Contract regarding the Defect Liability Period (DLP) for works costing Rs. 25.00 lacs and more shall be applicable (Annexure-I).
  16. The Bidder is required to submit a copy of their enlistment as a contractor.
  17. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
  18. The bidder will have to install display boards at the site of work as directed by Engineer in charge.
  19. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 and amendments issued from time to time by the Finance Department, GOR shall be applicable. If there are any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 shall prevail.
  20. In case the rate received in the bid is below than BSR rate, additional Performance security shall be deposited by the bidder as per Rule 75 (A) of RTPP Rules.
  21. The Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking for any clarification.
  22. Contractors enlisted in JDA, should be get reviewed periodically. The registered bidder who has not been reviewed within a period of 5 years 3 months, shall not be allowed to participate in the bid. Contractors enlisted in other departments shall be as per the provision of PWF&AR

**Executive Engineer-(Elect.-I)**  
**JDA, Jaipur**

## **SPECIAL CONDITION FOR POST ASSESSMENT**

**Note: - Joint Venture/Consortium will not be allowed.**

1. The financial bid shall be opened only of those successful Bidders who qualify the technical Bid criteria.

Documents to be submitted with financial bid are as follows:

Percentage Rates on G-Schedule both in figures and in words duly filled in.

The financial bid will be evaluated on the basis of basic rates of the System (SITC of the Job).

On bid scrutiny, if differences are found in rates given by the bidder in words and figures in individual rates or in sub-total or in grand totals the procedure for deriving the final value shall be as follows:

Before submission of the bids, the bidders are advised to visit the site and get acquainted with site conditions, availability of materials & labour. All clarifications must be sought by the bidders well in time and no extension of time shall be given on this account.

The bidders are advised to account for any fluctuations in market rates of material, equipment cost, labour rates etc. Any claim on these accounts shall not be entertained after the award of work unless specifically agreed to.

Bids not submitted on prescribed form are liable to be rejected.

Bidders are advised to quote original offer as per bill of quantities.

In case drawing and details are not enclosed with bid documents, these can be seen in the office of the department during office hours. Failure to avail of this shall not relieve the bidder of his responsibility of correct interpretation of work involved. Bidders who resort to canvassing in any form shall be liable to rejection.

Printed Conditions of contract: Any printed conditions and conditions contrary to these conditions of contract in contractors offer shall be excluded from the contract and not applicable to this contract.

The bid shall be valid for acceptance for a period of four months from the date of submission of the bid.

### **2. EXECUTION DRAWINGS**

The successful bidder shall have to submit execution drawing to the department within a total period of 1 week from the date of issue of work order for approval by the department

### **3. TERMS OF PAYMENTS**

As given in general Condition of contract in the approved standard agreement amended up to date.

No escalation charges shall be payable to the contractor over and above the rates as agreed to by the department in the detailed bill of quantities.

No advance shall be payable to the contractor.

The department does not bind themselves to accept the lowest or any bid and reserves the right to accept or reject any or all the bids in whole or in part without assigning any reasons for doing so.

The contractor must acquaint, acquire themselves with the site conditions, means to access the work, local conditions and all matters pertaining there to shall be the contractors, responsibility to obtain all necessary information required for quoting the above bid and for entering into a contract. The detailed drawing and specifications available with the documents must be studied and examined carefully by the bidder before submitting their offers.

The successful bidder shall sign the agreement on non judicial stamp paper of requisite value within 10 day from the issue of work order. If the contractor selected fails to sign the agreement within ten days of the issue of work order his bid security shall be forfeited.

The following documents shall form part of the contract agreement:  
Invitation to bid.

All sections of financial and technical bid, contract (agreement), Bill of Quantities & drawings.

All correspondence between the successful bidder and the department. Any other documents necessary for completion of contract agreement.

The rates quoted in the bid shall include all charges for scaffolding, water, electricity charges, hiring charges for any tools/ equipments etc. required for completion of jobs. The rates shall be inclusive of excise duty, sales tax, octroi duty or any other duties or fees levies by Government or by public or local bodies from time to time.

Necessary documents for import shall be done by the contractor under his own arrangements for equipments of foreign origin. Proof of legal imports! Purchase from manufacturer should be submitted at the time of supply, failing which the award may be terminated.

The works contract price quoted shall remain firm till completion of job and handing over the same in working condition to the department. The price should not be subject to exchange rate variations. No foreign exchange and license shall be arranged by Clint and it shall be contractor's responsibility to do so, if required.

It shall be contractor's responsibility to check and ascertain the correct quantities and only these assessed quantities in accordance with the requirement and as per the tentative schedule of work after approval of the Engineer-in-charge shall be brought at site after award of work order.

The contractor shall carry out additional/Reduce work or supply material/ equipments at the same quoted rates up to any increased or decreased quantities specified in detailed bill of quantities. The department shall also be at liberty to ask the contractor to supply, erect and commission rates within four months of stipulated date of commencement of the work order without any price variation.

**4 BAR CHART & CASH FLOW CHART**

The contractor shall prepare & submit a bar chart & cash flow chart in consultation with the department and shall strictly adhere to the same. The progress and the completion of the work shall be in accordance of the bar chart will form part of this contract agreement. The said schedule of work/ bar-chart will be subject to general conditions of contract related to the extension of time. A weekly progress of site shall be submitted in writing to the department.

**5 PERFORMANCE BOUND CONTRACT**

The contract shall be a performance bound contract and therefore the contractor shall makes his independent checks for Mounting, selection of equipment, etc. The drawings enclosed with the bid documents are only tentative and for guidance for bidding purposes. The details or execution drawings shall be prepared and submitted for approval to the department by the successful contractor to suit the requirement pertaining to site conditions.

**6 TRAINING OF PERSONNEL**

The contractor shall impart training to the departmental staff free of cost during erection and commissioning of the plant

**7 GUARANTEE**

The contractor shall guarantee the complete system & equipments for a period of 12 months from the date of satisfactory handing over of the plant as certified by the department for fault/ bad workmanship, manufacturing defects in equipments etc. The Bidder shall guarantee the System to maintain the sound quality on the basis of Design/ Scheme. They shall also guarantee that the performance of the various equipments individually and jointly and shall not be less than the specified rating when working under operating conditions for the complete installation. The commissioning of system shall be done by the contractor and all tests at site shall be conducted to confirm the bided specification should be submitted to the department for record.

**9 REPAIR/ REPLACEMENT OF PARTS DURING GUARENTEE**

Any defects or other faults which may appear within defect liability/guarantee period of twelve months from the date of handing over the system in a satisfactory working conditions to the department arising in the system due to material or workmanship should be corrected and replace with parts of original specifications and makes by the contractor at his own cost.

10 Security deposit will be returned to the contractor after 12 month from the date of finalization of work and successful operation of the system as judged by the department.

**11 POWER SUPPLY FOR ERECTION PURPOSES**

The contractor shall make his own necessary arrangements for power supply required for erection purposes by applying to JVVNL for a separate connection at his own cost or through his own DG set.

- 12 The contractor shall have to submit original voucher/ bills of various items to be used in execution of work.
- 13 The Octagonal Poles will be dispatch after issuance of certificate from JDA Engineer that the material is fit for dispatch, even after receiving the ornamental poles at site JDA reserve the right to send the material to any Govt. / Semi Govt. / Private lab for testing and if the pole is not found as per specification, the bidder will require to replace the complete material at his own cost.
- 14 All the materials to be used for electrification work must be inspected by Engineer-in-charge or any nominated Engineer of J.D.A. at Factory/ Laboratory before dispatch to the site at the cost of contractor. The contractor shall have to inform seven days in advance for the inspection.

**Signature & Seal of  
Contractor/Bidder**

**Executive Engineer (Elect-I)  
JDA, Jaipur**

## SPECIAL CONDITIONS

### **SCHEDULE 'H'**

04. If there is any typographical error or otherwise in the 'G' Schedule, the rates given in the relevant BSR on which Schedule 'G' has been prepared, shall prevail.
05. The bidder shall follow the provisions of the builder labour regulation and abolition Act, 1970 & Rule, 1971.
06. The JDA shall have the right to cause an audit for technical examination of the work and the final bills of the bidder including all supporting vouchers, abstracts etc. to be made within two years after payment of the final bills and if as a result of such audit, any amount is found to have been overpaid / excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed, the bidder shall be liable to refund such amount and it shall be lawful for the JDA to recover the such sum from him in the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the bidder was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such underpayment shall be paid by the JDA to the bidder.
07. Wherever any claim against the bidder for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the performance security of the bidder, In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time their contract with the JDA should this sum be sufficient to recover the full amount recoverable. The bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
08. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
09. By submission of the Bid the bidder agrees to abide by all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
10. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
11. If any bidder withdraws his Bid prior to the expiry of said validity period given at S. No. 5 or mutually extended prior or makes modifications in the rate, terms and conditions of the Bid within the said period which are not acceptable to the authority or fails to commence the work in the specified period, fails to execute the agreement the authority shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of bid security given in any form absolutely. If any bidder, who has submitted a Bid does not execute the agreement or start the work or does not complete the work and the work has to be put to rebidding he will stand debarred for six months from participating of Biding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
12. Any material not conforming to the specifications collected at the site have to be removed by the bidder within a period of 3 days of the instruction, issued by the Engineer -In charge in writing failing which, such material shall be removed by the Engineer-In charge at risk and cost of the bidder after the expiry of 3 days period.
13. The material collected at the site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed fully on the work.

14. The rates provided in the Bidding documents are inclusive of all Taxes and royalties otherwise specified.
15. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule, Source/ borrow pit area for the earth shall have to be arranged by the Bidder at his own cost.
16. Undersigned has full right to reject any or all Bids without giving any reasons.
17. As per the Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the etc."
18. Special Conditions of the Contract regarding the Defect Liability Period (DLP) for works costing Rs. 25.00 lacs and more shall be applicable (Annexure-I).
19. The Bidder is required to submit a copy of their enlistment as a contractor.
20. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
21. The bidder will have to install display boards at the site of work as directed by Engineer in charge.
22. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 and amendments issued from time to time by the Finance Department, GOR shall be applicable. If there are any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 shall prevail.
23. In case the rate received in the bid is below than BSR rate, additional Performance security shall be deposited by the bidder as per Rule 75 (A) of RTPP Rules.
24. The Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking for any clarification.
25. Contractors enlisted in JDA, should be get reviewed periodically. The registered bidder who has not been reviewed within a period of 5 years 3 months, shall not be allowed to participate in the bid. Contractors enlisted in other departments shall be as per the provision of PWF&AR

**SIGNATURE OF CONTRACTOR**  
**WITH FULL ADDRESS:**

**EXECUTIVE ENGINEER (ELECT.-I)**  
**JDA, JAIPUR**

## **INSPECTION AND TESTING AT MANUFACTURER'S PREMISES**

1. The test of the material and workmanship shall be conducted by the JDA/JVVNL Engineers as necessary. The result of such tests should confirm to be standard laid down in the Indian standards and or the standards laid down in the detailed specification of the JVVNL/ .Public Works.
2. Proper quality control is required to be maintained by the contractor. Qualified personnel's having a degree in engineering or as required under the contractor enlistments rules duly approved by the Deptt. Shall have to be engaged at site by the contractor. The Deptt. Reserves the right to engage such staff and recover the expenses from the contractor on such account in case of his failure to do so.
3. The GTP of the material to be used by the contractor shall be submitted 21 days in advance with the Engineer In charge and be got approved by him before use.
4. All inspection and testing shall be carried out in accordance with the Specification and in absence of Specification relevant Indian Standard or internationally approved equivalent standard. After award of contract, Bidder shall furnish QA plan which will be mutually discussed with the Owner and finalized QA plan shall include test and incoming supply of raw materials and bought out items, stage inspections and tests on finished products at manufacturer's works / appropriate testing station. QA plan shall clearly indicate tests which are intended to be witnessed by the Bidder alone and those by both Bidder and Owner.
5. The Contractor shall carry out wherever practical, at the place of manufacture tests of the Plant / Equipment.
6. The Owner shall be entitled to attend the aforesaid inspection and / or tests by his own duly authorized and designated representatives.
7. The Owner and his duly authorized representative shall have access to the Contractor's premises at all suitable times to inspect and examine the material and workmanship of the mechanical and electrical plant and equipment during its manufacture there. If part of the plant and equipment is being manufactured on other premises, the Contractor shall obtain permission for the Owner or his duly authorized representative, to inspect as if the plant and equipment was manufactured on the Contractors own premises. Testing (including testing for chemical analysis and physical properties) shall be carried out by the Contractor and certificates submitted to the Owner who will have the right to witness or inspect the above mentioned inspection / testing at any stage desired by him. Where inspection or testing is to be carried out at a subcontractor's works, a representative of the Contractor shall be present.
8. The procedure for the testing and inspection to be carried out during or following the manufacture of the materials to ensure the quality and workmanship of the materials and to further ensure that they conform to the Contract is whatever place they are specified shall be as described below.
  - (a) The Contractor shall give the Owner at least 21 clear days notice in writing of the date and the place at which any plant or equipment will be ready for inspection/ testing as provided in the Contract. The Owner or his duly authorized representative shall thereupon at his discretion notify the Contractor of his intention either to release such part of the plant and equipment upon receipt of works test certificates or of his intention to inspect. The Owner shall then give notice in writing to the Contractor, and attend at the place so named the said plant and equipment which will be ready for inspection and/or testing. As and when any plant shall have passed the tests referred to in this section, the Owner shall issue to the Contractor a notification to that effect.

- (b) The Contractor shall forward to the Owner duly certified copies of the test certificates and characteristics performance curves for all equipment.
- (c) If the Owner fails to attend the inspection and/or test, or if it is agreed between the parties that the Owner shall not do so, then the Contractor may proceed with the inspection and/or test in the absence of the Owner and provide the Owner with a certified report of the results thereof as per (b) above.
- (d) If any materials or any part of the works fails to pass any inspection / test, the Contractor shall either rectify or replace such materials or part of the works and shall repeat the inspection and/or test upon giving a notice as per (a) above. Any fault or shortcoming found during any inspection or test shall be rectified to the satisfaction of the Owner before proceeding with further inspection.
- (e) Where the plant and equipment is a composite unit of several individual pieces manufactured in different places, it shall be assembled and tested as one complete working unit, at the maker's works or at site as mutually agreed by the Owner and Contractor.
- (f) Neither the execution of a inspection test of materials or any part of the works, nor the attendance by the Owner, nor the issue of any test certificate pursuant to (c) above shall release the Contractor from any other responsibilities under the Contract.
- (g) The test equipment, meters, instruments etc., used for testing shall be calibrated at recognized test laboratories at regular intervals and valid certificates shall be made available to the Owner's at the time of testing. The calibrating instrument used as standards shall be traceable to National/International standards. Calibration certificates or test instruments shall be produced from a recognized Laboratory for the Owner's consent in advance of testing and if necessary instruments shall be recalibrated or substituted before the commencement of the test.
- (h) Items of plant or control systems not covered by standards shall be tested in accordance with the details and program agreed between the Owner and Contractor.
- (i) Tests shall also be carried out such that due consideration is given to the Site conditions under which the equipment is required to function. The test certificates shall give all details of such tests.
- (j) The Contractor shall establish and submit a detailed procedure for the Inspection of materials or any part of the works to the Owner for approval within the date indicated in the Programme Details. The detailed procedure shall indicate or specify, without limitation, the following:
  - (i) Applicable code, standard and regulations
  - (ii) Fabrication sequence flow chart indicating tests and inspection points
  - (iii) Detailed tests and inspection method, indicating tests and inspection points
  - (iv) All routine tests shall be carried out as per relevant Indian Standard specifications and will be witnessed by the Owner,
  - (v) Acceptance criteria
  - (vi) Test report forms and required code certificates and data records
  - (vii) Method of sampling, if any sampling test to be conducted
  - (viii) Contractor's or Owners witness points.
- (k) The Contractor shall not pack for shipment any part of the Plant until he has obtained from the Owner or his authorized representative his written approval to the release of such part for shipment after any tests required by the Contract have been completed to the Owner's satisfaction.
- (l) The contractor shall be liable to bear all the expenses to carry out the inspection at the manufacture works.

**Signature of Contractor/Bidder**

**Executive Engineer (Elect-I)  
JDA, Jaipur**

## **MINIMUM SAFETY RULES**

The following are Minimum Safety Rules that apply to all contractors and subcontractors associated with this project. All project personnel have a duty and responsibility to ensure familiarization with project safety requirements and to comply with all requirements established by their employer.

1. **REPORTING HAZARDS:** It is part of each employee's job to report all unsafe conditions/practices to his immediate supervisor for corrective action.
2. **BASIC PERSONAL PROTECTION** for this project includes:
  - a) Safety Hats of the approved type which meet Indian Standard shall be worn while on construction sites (hats shall not be Pressed or altered in any way as to make them defective). Hard hats shall be worn the way they are intended to be worn. Metal hard hats are prohibited.
  - b) Industrial grade safety glasses with side shields meeting ANSI standards Z-87 or equivalent Indian Standards will be worn by all personnel. This also applies to all persons wearing prescription glasses. Additional eye protection may be necessary for various work activities such as grinding, chipping, drilling, chemical handling, etc.
  - c) Hearing protection will be worn at posted high-noise areas or work activities generating high-noise levels.
  - d) Shirts are required when working on a construction site. All shirts will have sleeves. Sleeveless shirts are not permitted.
  - e) Full length trousers are required and must fit properly. Loosely fitting clothing will not be worn.
  - f) Safety shoes or safety boots will be worn in the construction area at all times. No sneakers, open-toed shoes or tennis shoes are allowed. All shoes will be suitable to the construction environment.
  - g) Gloves will be worn when handling materials that may cut, tear or burn hands. Gloves will be in good condition and free of excessive oil or grime.
3. **RESPIRATORS:** Persons engaged in work activities requiring breathing apparatus or respirators will be test-fitted to ensure a proper seal and fitting.
4. **FALL PROTECTION:** Safety Belts/Harnesses shall be worn and used when working at two meter heights (or greater), where approved platforms, ladders, or scaffolds are not provided. Lanyards will be no more than six feet in length. Horizontal or vertical lifelines will be provided and used where no tie-off points are provided. Belts/Harnesses shall be worn properly. All fall protection equipment will be inspected for defects by the user before each use. Defective or questionable protection equipments shall not be used.

5. **INJURIES:** All persons must report all injuries to their supervisors and obtain first aid (regardless of degree of severity) at the contractor's first aid facility. Each accident must be documented on the Accident Notification Report.
6. **SMOKING:** Smoking within an establish NO SMOKING AREA is strictly prohibited and is sufficient cause for immediate removal of the person found smoking from the site.
7. **ELECTRICAL EQUIPMENT :** Personnel (except electricians), assigned to work on or around specific electrical jobs, will stay clear of all electrical equipment until it is proven safe by qualified electrical personnel.
8. **UNAUTHORIZED USE:** The unauthorized operation of any tool, equipment, switch, vehicles, valves, etc. is strictly prohibited.
9. **MAKESHIFT DEVICES:** Personnel will not fabricate or use makeshift devices such as lifting devices, tools, etc. Specialized tools/equipment are often necessary, but will be properly designed and tested by authorized engineering personnel before use. The modification of tools/equipment or the overriding of safety devices will not be tolerated.
10. **TRUCK RIDING:** Riding in the bed of trucks is prohibited unless seating arrangements conform to client requirements. Personnel are forbidden to ride on loaded trucks, fenders, running boards, sideboards, tailgates, etc.
11. **SEAT BELTS:** All personnel riding in vehicles will fasten seat belts before the vehicle is placed in motion.
12. **HORSEPLAY:** Running, practical jokes, etc. prohibited. Fighting is sufficient cause for immediate dismissal. "Short cutting" of established safe practices or deliberate chance-taking is strictly prohibited.
13. **WORK PERMITS:** If work to be carried out requires a permit, the permit must be obtained before work commences.
14. **EMERGENCY PROCEDURES:** It is part of everyone's job to thoroughly know plant emergency procedures, emergency alarms, location of assembly areas, etc.
15. **WORKING POSITION:** Personnel must always ensure safe working positions. Any person to position himself between a fixed object and a moving piece of equipment is extremely hazardous. Never place yourself between objects which could roll, shift, fall or be displaced. Stay alert to conditions around you at all times.
16. **SAFE & PRESCRIBED METHODS:** All tools and equipment, including motor vehicles will be operated in a safe and prescribed manner at all times. If any person is not sure of the proper method of tool/equipment use, he must immediately inform his supervisor for the person to receive proper direction.
17. **INSTRUCTIONS FROM SUPERVISORS:** Supervisors are responsible for strict compliance and enforcement of project and client safety rules and regulations, and to

ensure that workers are made knowledgeable of requirements. All personnel are required to follow instructions from their immediate supervisors. If instructions are not clear or are confusing, the employee has a responsibility to question the supervisor and obtain clear instructions before commencement of work.

18. **CO-OPERATION AND TEAMWORK:** It takes co-operation and teamwork to complete construction projects in a safe, efficient and timely manner. All project personnel are expected to render complete co-operation in the administration and enforcement of the project Safety Program.
19. **CAMERAS:** Employees must not, under any circumstances, bring cameras onto the work site or use a camera on the work site without written approval of Engineer-In-Charge.
20. **DRUGS/ALCOHOL:** The use of illegal drugs and alcohol is strictly prohibited and is cause for immediate removal of the person who is found to be under influence of such drugs / alcohol from the site.
21. **DISCIPLINARY ACTION:** Disciplinary action will be taken against persons violating the stipulations. Serious infractions and/or repeat offenders will be dealt with severely, up to and including permanent removal from the project.
22. **RESPONSIBILITIES;** All persons have a responsibility to themselves and their co-workers to be physically fit and mentally alert at all times. Conditions on a construction site are always in a state of change. Personnel must be able to react accordingly.
23. **LADDERS AND SCAFFOLDS:** All ladders and scaffolding shall be of the approved type. Ladders and scaffolding not meeting standards shall be removed from service. Ladders and scaffolding shall meet Indian Safety Standards or British Standards whichever is more stringent.

**LADDERS:**

- a) Ladders shall be inspected prior to use. Defective ladders shall be removed from service.
- b) Ladders used near energized lines or equipment shall be made of non- conductive materials (wood, fiberglass, etc.)
- c) Ladders shall be placed on solid footing. They shall not be placed on unstable objects such as loose bricks.
- d) Employees shall not carry tools, materials, or objects while climbing ladders. Employees shall face the ladder while climbing and avoid leaning from side to side and away from the ladder.
- e) Employees working from ladders shall wear and utilize proper fall protection equipment.

- f) Straight and extension ladders must be secured at the top when in use. Ladders not in use should be removed from the vertical position.
- g) Ladders must be placed at an angle not to exceed one foot of run for every four feet of rise.
- h) Ladders must extend above their upper support or landing by at least 3 feet.
- i) Step ladders must be secured or held when in use.
- j) Employees shall not work from the top step or next to the top step of step ladders.

**SCAFFOLDS:**

- a) Employees shall not erect, alter or dismantle scaffolds unless directed by a competent person.
- b) Scaffolds shall be erected, should be in plumb, and on sound foundation. Loose bricks, unstable stacks of lumber, etc. shall not be used to level or support scaffolds.
- c) Scaffold materials shall be free of defects.
- d) Work platforms shall be completely decked. (The decking should overhang its end supports at least 6 inches but not more than 12 inches. The decking shall be secured in place).
- e) Work platforms shall be equipped with standard handrails, midrails, and toe boards when 2 meters or more in height.

**24. EXCAVATIONS:**

- a) When deeper than 5 feet, excavations shall be sloped or shored to prevent caving-in.
- b) Excavations must be barricaded and barricades shall be maintained till back filling is completed.
- c) Excavated earth and any equipment shall be kept at least 2 feet from the edge of excavations.
- d) Access ladders shall be placed within a distance of 25 feet of location of working in excavations of 4 feet deep or deeper.

**25. CONFINED SPACE OR VESSEL ENTRY:**

- a) Employees shall not enter any confined space unless it has been tested for oxygen contents, absence of flammable gases and/or substances, or any other hazardous materials, and a written permission has been issued.
- b) A man way watch trained in his duties shall be present at any time when personnel are inside confined spaces or vessels.
- c) Portable or hand-held lighting should not exceed 12 volts power source.
- d) Positive ventilation (air movers or fans) shall be used to provide exchange of fresh air in confined spaces and vessels.

**26. TAG-OUT, LOCK-OUT PROCEDURES:**

- a) Employees shall not perform any work including repair, changes, attachments on electrical circuits, equipment, or mechanical equipment unless the power supply or source of said equipment is positively disconnected or shut off and the concerned electrical department employee places his lock and tag on the disconnect.
- b) Only electrical personnel shall be involved in energizing & de-energizing electrical circuits and equipment.

**Signature of Contractor/Bidder**

**Executive Engineer (Elect-I)  
JDA, Jaipur**

## **ERECTION, TESTING AND COMMISSIONING**

### **1. ERECTION - GENERAL**

- 1.1 The Contractor's staff shall include adequate and competent erection Engineer with proven, suitable, previous experience on similar contracts to supervise the erection of the Works and sufficient skilled, semi-skilled and unskilled labour to ensure completion of Works in time. The Contractor shall not remove any representative, erector or skilled labour from the Site without prior approval of the Owner.
- 1.2 The Contractor shall ensure that no installation or erection work shall commence until full and unconditionally approved working drawings, signed and stamped by the Owner are available at Site.
- 1.3 The Contractor's erection staff shall arrive on the Site on dates to be agreed by the Owner. Before they proceed to the Site, however, the Contractor shall first satisfy himself, as necessary, that sufficient Electrical System of his (or his sub-contractor's) supply has arrived on Site so that there will be no delay on this account.
- 1.4 One erection engineer who shall be required to be the Contractor's representative shall be conversant with the erection and commissioning of the complete Works. Should there be more than one erector, one shall be in charge and the Contractor shall inform the Owner in writing which erector is designated as his representative and is in charge. Erection engineer is to report to Project Manager.
- 1.5 The Contractor shall be responsible for setting up and erecting the Electrical System to the line and levels of reference and of the positions, levels dimensions and alignment, appliances and labour in connection therewith. The checking of setting out of any line or level by the Owner shall not in any way relieve the Contractor of his responsibility for the correctness thereof.
- 1.6 Erection of Electrical System shall be phased in such a manner so as not to obstruct the work being done by other contractors or operating staff who may be present at the time. Before commencing any erection work, the Contractor shall check the dimension of structures where the various items of Electrical Systems are to be installed and shall bring any deviations from the required position, lines or dimensions to the notice of the Owner. Electrical System shall be erected in a neat and workmanlike manner on the foundations and at the locations shown on the approved drawings. Unless otherwise directed by the Owner, the Contractor shall adhere strictly to the aforesaid approved drawings. If any damage is caused by the Contractor during the course of erection to new or existing Electrical System or buildings or any part thereof, the Contractor shall, at no additional cost to the Owner, make good, repair or replace the damage, promptly and effectively as directed by the Owner and to the Owners satisfaction.

- 1.7 The Contractor shall align all equipment and holding down bolts and shall inform the Owner before proceeding with grouting-in. the items concerned. The Contractor shall ensure that all equipment is securely held and remains in correct alignment before, during and after grouting-in.
- 1.8 The approval by the Owner of the Contractors proposals for rigging and hoisting any items of the Electrical System into final positions shall not relieve the Contractor from his responsibility for damage to completed structures, parts or members thereof or other installed equipment. He shall at his own cost make good, repair or replace any damaged or injured items, whether structural, electrical, architectural, or of any other description, promptly and effectively to the satisfaction of the Owner.
- 1.9 No Electrical Systems or other loads shall be moved across the floors of structures without first covering the floors with timber of sufficient size so that applied loads will be transferred to floor beams and girders of steel or concrete. If it is required to reduce bending stresses and deflection, the beams and girders shall be provided with temporary supports. Any movement of Electrical System and other loads over the floor structures shall be subjected to the prior approval of the Owner.
- 1.10 During erection of the Electrical System, the Owner will inspect the installation from time to time in the presence of the Contractor's Site representative to establish conformity with the requirements of the Specification. Any deviations and deficiencies found or evidence of unsatisfactory workmanship shall be corrected as instructed by the Owner.

## **2 LEVELING AND GROUTING OF MACHINERY**

- 2.1 Contractor shall check the civil works, where the Electrical System is to be installed sufficiently in advance, for their conformity to the approved drawings for installing the Electrical System with respect to lines, levels and accuracies of positions embedment, anchorage pockets, cut-outs etc. He shall record all measurements and deviations in prescribed control formats. He shall proceed with the work, with the Owners consent to such preparatory inspection of works.
- 2.2 Contractor shall mark precisely the centre lines and datum reference on the civil works, where the Electrical System is to be installed with reference to bench marks, using indelible means of marking.
- 2.3 He shall undertake sufficiently in advance chipping of any unevenness of concrete on foundations, anchor bolt pockets, cut-outs etc., to achieve uniform level of reference for erection. All concrete surfaces receiving grout shall be hacked as required to ensure better bonding with grouting.
- 2.4 Contractor shall undertake the inspection of all components to be erected sufficiently in advance to check their soundness and conformity to drawings and the inspection records

shall be signed by the Owner as approval for undertaking the installation of the components. Any damage, shortfalls etc. shall be made good to the satisfaction of the Owner.

- 2.5 All grout for equipment shall be carried out using non-shrinkable continuous grout materials with suitable framework of at least 12 mm thickness. Surfaces to receive the grout shall be hacked and roughened and laitance shall be removed by wire brushing or blast of air. Concrete surface shall be blown off by compressed air before commencing grouting. Grouting shall be done in one continuous operation from one side such that grout flows in a single wave until grout reaches all confined spaces with no air pockets and air from all confined spaces is expelled. A hydrostatic head of 150 mm shall be maintained during grouting operations. All grouting shall be carried out in the presence of the Owner. All lines and levels shall be checked up after grout is set. Block outs shall be closed using cement concrete of the same grade as that of the parent structure.

### **3. RECORDS, PROCEDURES AND REPORTS**

- 3.1 The Contractor shall maintain records pertaining to the quality of installation/erection work and inspection, testing, compliance with all technical requirements in respect of all his works as described in the previous paragraphs. The reporting formats shall be in the approved formats. The Contractor shall submit such records to the Owner after the completion of any particular work before submitting the bill of supply/progress of work. Such report shall comprise shop inspection reports, shop testing reports, material test reports, based on which dispatch clearances are provided, all the quality control reports of welding, erection and alignment records.
- 3.2 All the above mentioned records shall be submitted in the final form duly countersigned by the Owner attesting conformity to specifications and his approval of installation, and duly incorporating all the additions, alterations, and information as required by the Owner, on the basis of preliminary reports giving the progress of the work. Such records notwithstanding, any records submitted earlier with bill of supply/progress etc., shall be duly bound and submitted to the Owner in six copies by the Contractor on his notification of the Electrical completion of erection.

### **4. GENERAL PREPARATIONS BEFORE COMPLETION OF THE ELECTRICAL SYSTEM**

- 4.1 The following documents should be completed in accordance with the Contract schedule before completion of erection. The Owner and the Contractor shall preserve and control these documents in a safe and appropriate place on Site in order that both parties' personnel can make use of them at any time.

- (a) Technical Documents
  - (i) Operation and Maintenance manual
  - (ii) Design documents including the Contractor's design data, drawings and Specifications.
  - (iii) Tools and test equipment list
  - (iv) Spare parts list
- (b) Procedures
  - (i) Mechanical testing procedure
  - (ii) Electrical testing procedure
  - (iii) Instrumentation testing procedure
  - (iv) Detailed Pre-commissioning and Commissioning procedure
  - (v) Detailed Performance Test procedure

## **5. COMPLETION OF ERECTION**

- 5.1 The completion of Electrical System under erection by the Contractor shall be deemed to occur, if all the units of the Electrical System are structurally and electrically complete and will include among other such responsibilities the following:
- (a) Electrical System in the Scope of the Contract has been erected, installed and grouted as per specifications.
  - (b) Installation checks are completed and approved by the Owner
  - (c) The erected Electrical Systems are totally ready for commissioning checks.
- 5.2 At the stage of completion of erection, the Contractor shall ensure that all the physical, aesthetic and workmanship aspects are totally complete and the Electrical System is fit and sound to undergo tests on completion and subsequent pre-commissioning checks.
- 5.3 Upon achieving the completion as described above, the Contractor shall notify the Owner by a written notice intimating completion of erection and notify the Owner for inspection. The Owner shall proceed with the inspection of such units within 14 days of such a notice.
- (a) The Owner shall certify completion when there are no defaults in the Works or
  - (b) The Owner shall inform the Contractor list of deficiencies for rectification hereinafter referred as Punch list and the Contractor shall complete the rectification work within a jointly agreed period before pre-commissioning activities and obtain the Owner's acceptance or approval of the same before proceeding with the same.
  - (c) The Owner may inform the Contractor that the works are accepted with the 'Punch' list (items which do not hamper operability safety or maintainability) and allow the Contractors to proceed with the pre-commissioning checks when the Contractor undertakes to complete such outstanding works within an agreed time during defects liability period. Taking over shall be based on rectification of all deficiencies as advised by Punch lists.

- 5.4 The erection period indicated by the Contractor would be deemed to cover all the activities up to Completion as stipulated in previous paragraphs, notice of completion by the Contractor, inspection by the Owner for Completion, and Contractor rectification of all deficiencies as noticed by the deficiency/Punch list, and acceptance by the Owner of such rectifications, prior to Tests on Completion.
- 5.5 Minor defects, which in the opinion of the Owner which do not hamper operability and maintainability will nor be taken into account for deciding Electrical Completion. Such defects shall be rectified concurrent to commissioning checks before Tests on Completion. However, the Owner's decision in this regard is final.
- 5.6 The commissioning period as notified by the Contractor shall be deemed to occur beyond the date of Completion and shall include all periods of pre-commissioning, trials and Tests on completion.
- 5.7 It is in the Contractor's interest to offer the section/units/systems, progressively under the identified milestones within overall erection period, duly completed for rectification of any deficiencies pointed out by the Owner and to achieve Electrical Completion before undertaking the tests on Completion within the specified erection period. The Owner also reserves the right to withhold the cost as estimated to be equivalent to the rectification of deficiencies pointed out to the Contractor until such a time such deficiencies are rectified to the satisfaction to the satisfaction of the Owner.

## **6. PRE-COMMISSIONING**

- 6.1 After the Completion of erection, Pre-commissioning activates listed below shall be carried out to make the Electrical System ready for Commissioning.
- 6.2 Upon completion of erection of each piece of equipment, facility or discrete part of the Electrical System, Electrical checks and tests shall be carried out according to the Contractor's checklist. The Electrical checks and tests shall be to establish that.
- (a) The Electrical System is erected in accordance with the Contractor's construction drawings, pipe work drawings, instrument diagrams, etc. issued for the Electrical System.
  - (b) The materials are installed and electrically function in accordance with the Contract and
  - (c) Applicable codes as listed in the Contract are followed for materials and workmanship.
- 6.3 Items such as painting, thermal insulation and final clean up which do not materially affect the operation or safety of the Electrical System will be excluded. All these items shall be listed and completed after the Pre-commissioning or Commissioning at the discretion of the Contractor, but before acceptance.
- 6.4 The Contractor shall prepare and maintain at Site test forms and records that shall include:
- (a) Description of type of test or check
  - (b) Date and time of test or check

- (c) Identification of equipment and facilities
  - (d) Test pressure, test data and results, including remarks, if any
  - (e) Signature of the Contractor's personnel attesting to data recorded, if any.
- The Contractor's construction forces thereof shall carry out checks, tests and recording.
- 6.5 Wherever the Owner's witness or attesting of the check or test is required, the Owner's personnel shall attend such check and test. For this purpose, the Contractor shall keep the Owner informed of a day-to-day test plan schedule. The test plan schedule may be revised from time to time to reflect the actual progress of the work and test.
  - 6.6 Any items found incomplete or requiring repair or adjustment shall be marked as such on the test records and then reported by the Contractor to the Owner and the Contractor's personnel in charge of the relevant construction area.
  - 6.7 Checking procedures shall be repeated until all the items on the checklist are cleared
  - 6.8 A complete set of test records shall be handed over to the Owner on completion.
  - 6.9 The tests on the different Mechanical and Electrical equipment shall include but not limited to:
    - (a) Pump motors
 

Condition of winding insulation be tested and insulation values shall be restored to required level by suitable heating arrangements locally.
    - (b) MV Switch board / Power Distribution Boards
      - (i) Checking of all internal wiring for correctness as per supplier's drawings.
      - (ii) Insulation resistance test.
      - (iii) CT Polarity Test / PT Ratio Test.
      - (iv) Operational check of instruments and testing of relays by primary / secondary injection.
      - (v) Phase sequence test.
      - (vi) Functional simulation test.
      - (vii) Local & Remote Operation.
    - (c) Power and Control Cables
      - (i) All cores of cables shall be tested individually for continuity and insulation resistance with earth/sheath/armour as well as between the cores, before as well as after installation.
      - (ii) Pressure test as per relevant IS will be carried out on all 11 kV cables together with joints.
    - (d) Distribution Boards / Switch Socket Outlets
      - (i) Checking of wiring as per drawing.
      - (ii) Insulation resistance.
      - (iii) Functional test.

- (e) Tests for Earthing System
  - (i) The resistance of each earth pit shall be measured and recorded.
  - (ii) The resistance of the complete earthing system shall be less than 1.0 ohm or values specified by the local Electrical Inspector whichever is less.
  - (iii) Earthing continuity tests shall be carried out for all the equipment.

## **7. COMMISSIONING**

- 7.1 After the completion of Pre-commissioning activities the final checks and preparations necessary for start-up of the Electrical System shall be carried out. The Contractor shall submit to the Owner a written Notice of Electrical Completion that shall include:
  - (a) Identity of a part of the Electrical System considered electrically complete
  - (b) A copy of relevant completed test reports
  - (c) The date on which the completion of the tests was achieved
  - (d) Check list and
  - (e) A request for issuance of a Electrical Completion Certificate in respect of that part.
- 7.2 Within fourteen (14) days from the date of receipt of the Contractor's written Notice, the Owner shall:
  - (a) In the case of acceptance, issue a Electrical Completion Certificate
  - (b) In the case of Objection, submit a rejection Statement setting forth remaining items to be completed or defects of deficiencies to be corrected before Electrical Completion status can be accepted. When the Owner rejects the Contractor's Notice the Contractor shall take any necessary action to complete or correct the items marked and give the Owner a second Notice of Electrical Completion.
- 7.3 After the issuance by the Owner of a Electrical Completion Certificate, Commissioning activities listed below shall be carried out to enable the start-up and operation of the Electrical System Procedures are described as below:
  - (a) Commissioning Procedure shall be carried out in a methodical sequence as follows
    - (i) Warming up
    - (ii) Start-up
    - (iii) Initial rearming –
    - (iv) Operability adjustment
    - (v) Stable operation
    - (vi) Final adjustment
  - (b) At all stages of commissioning sequence, the Electrical System shall be operated at optimum Electrical System conditions. To ensure this, the Contractor may make minor

adjustment to the conditions indicated in the Operation and Maintenance Manual as necessary.

- (c) The Contractor shall check the operating conditions of the Electrical System by constantly monitoring operating data.
- (d) The Contractor shall specify for each discrete part of the Electrical System the operational data to be recorded and the manner in which the data is to be taken.
- (e) All the operating data shall be recorded by the Owner on the forms to be mutually agreed. The Owner shall make a copy of the operating log and analytical data from initial operation through to the completion of Performance Test available to the Contractor for evaluation.

## **8. PERFORMANCE TEST**

- 8.1 After the final operation of the Electrical System, a Performance Test shall be carried out to demonstrate the Contractor's Performance Guarantee.
- 8.2 Prior to conducting Performance Test, the Contractor shall furnish the detailed Performance Test Procedure for approval.
- 8.3 Performance test shall be carried out by the Contractor's personnel according to the instructions set forth in the Contractor's Operation and Maintenance Manual and under the supervision of Owner's operating personnel.
- 8.4 Operating and analytical data recorded during Performance test shall be taken down by the Owner and made available to the Contractor for evaluation.

## **9. ACCEPTANCE**

- 9.1 Acceptance will occur in any of the three following possible ways:
  - (a) Fulfilment of Guarantees When Performance Test has been successfully completed and the Performance Guarantees are met.
  - (b) Deemed Acceptance When Performance Test has not been completed or has not been carried out for reasons not attributable to the Contractor within specified date or other mutually agreed period.

**10. The material to be utilized in execution of work shall confirm to the following Indian Standards (IS) which shall mean latest revisions, Amendments / changes and published unless otherwise specified herein before.**

| Sr. No. | Indian Standards | Titles                                                                                                                                     |           |
|---------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1.      | IS-226           | Structural Steel Standard quality                                                                                                          |           |
| 2       | IS-2062          | Structural steel (fusion welding quality).                                                                                                 |           |
| 3.      | IS-802           | Code of practice for use of structural steel in overhead transmission line towers and part-I loads & permissible stresses.(first revision) |           |
| 4.      | IS-808           | Rolled steel beam, channel and angle sections and Part-I Dimensions for hot Rolled steel beam Part-I MB series (second revision).          |           |
| 5.      | IS-4759          | Hot dip zinc coating on structural steel and other allied products.                                                                        |           |
|         |                  |                                                                                                                                            |           |
| 6.      | IS-6639          | Hexagonal Bolts for steel Structure.                                                                                                       |           |
| 7.      | IS-10238         | Step Bolts for steel structures.                                                                                                           |           |
| 8.      | IS-1367          | Technical supply conditions for threaded fasteners.                                                                                        |           |
| 9.      | IS-2016          | Plain washers.                                                                                                                             |           |
| 10.     | IS-4072          | Steel for Spring washers                                                                                                                   |           |
| 11.     | IS-3063          | Single coil rectangular section spring washers for bolts, nuts and screws.(first revision)                                                 |           |
| 12.     | IS-6821          | Methods for sampling non-threaded fasteners.                                                                                               |           |
| 13.     | IS-1573          | Electroplated coatings of zinc on iron and steel.                                                                                          |           |
| 14.     | IS-2486          | Insulator fittings for overhead power lines of 3.3 KV and above.                                                                           |           |
| 15.     | IS-2633          | Method of testing uniformity of coating on Zinc coated article.(first revision)                                                            |           |
| 16.     | IS-2121          | Fittings for aluminium and steel cord aluminium conductor for overhead power lines (with amendments No 1 to 3)                             |           |
| 17.     | IS-731           | Porcelain Insulators for overhead power lines with a nominal voltage greater than 1000V.(second revision)                                  |           |
| 18.     | IS-2141          | Galvanized Stay strand (first revision) (with amendments No 1 to 3)                                                                        |           |
| 19.     | IS-398           | Part-I Aluminium conductor for overhead                                                                                                    |           |
|         |                  | Part-II Aluminium conductor, galvanized steel reinforced (second revision)                                                                 | revision) |
|         |                  | Part-III Aluminium conductor, Aluminium steel reinforced (second revision)                                                                 | revision) |
| 20.     | IS-4826          | Galvanized coating on round steel wires.                                                                                                   |           |
| 21.     | IS-2551          | Danger notice plate (with amendments No 1)                                                                                                 |           |
| 22.     | IS-2629          | Recommended practice for hot dip galvanizing of Iron and steel.                                                                            |           |
| 23.     | IS-5358          | Hot dipped galvanised coating on fasteners.                                                                                                |           |
| 24.     | IS-5613          | Code of practice for design, installation and maintenance of over-head power Line.                                                         |           |

|     |         |                                                                                    |                                                          |
|-----|---------|------------------------------------------------------------------------------------|----------------------------------------------------------|
|     |         | (Part-I Sec-I)- Lines upto and including 11 KV, section/design.                    |                                                          |
|     |         | (Part-I Sec-II)- Lines upto and including 11 KV, section installation and          |                                                          |
|     |         | Maintenance.                                                                       |                                                          |
|     |         |                                                                                    |                                                          |
| 25. | IS-6745 | Method for determination of weight of zinc coating on zinc coated iron and         |                                                          |
|     |         | Steel articles.                                                                    |                                                          |
| 26. | IS-7215 | Tolerance for fabrication of steel structures.                                     |                                                          |
| 27. | IS-8577 | Specification for weldable structures steel (medium and high tensile quality).     |                                                          |
| 28. | IS-338  | Varnish ,under coating, exterior, natural resin                                    |                                                          |
| 29. | IS-800  | Code of practice for use of structural steel in general building construction(     |                                                          |
|     |         | Revised) with amendments No.1&2.                                                   |                                                          |
| 30. | IS-3034 | Code of practice for fire safety of Industrial building. Electrical generating and |                                                          |
|     |         | Distributing stations.                                                             |                                                          |
| 31. | IS-269  | Ordinary and low heat Portland cement.                                             |                                                          |
| 32. | BS-16   | Telegraph material (Insulator, pole fitting etc.)                                  |                                                          |
| 33. | BS-729  | Hot dipped Galvanisation                                                           |                                                          |
| 34. | IS-2427 | Grading of continuous filament viscose rayon yarn and acetate yarn, bright         |                                                          |
|     |         | And dull.                                                                          |                                                          |
| 35. | IS-1363 | Black Hexagonal                                                                    | bolts, nuts and lock nuts(dia meter 6 to 39mm) and black |
|     |         | hexagon screws(dia 6 to 24 mm) first revision with Amendment No.1)                 |                                                          |
| 36. | IS-1852 | Rolling & cutting tolerance for hot rolled steel products.                         |                                                          |
| 37. | IS-1778 | Reels and drums                                                                    | for bare wire(with Amendment No. 1 & 2).                 |
| 38. | IS-4218 | ISO metric Screw Threads.(Part.I- Basic and design profiles, Part-II- Pitch        |                                                          |
|     |         | diameter combinations, Part.III- Basic dia mansions for design profiles,           |                                                          |
|     |         | Part.IV- Telebanking system, Part. V- Tolerances, Part.VI- Limits of sizes for     |                                                          |
|     |         | Commercial bolts and nuts (dia meter range 1 to 39 mm).                            |                                                          |
| 39. | IS-7887 | Mild steel wire rod for general Engg. Purpose.                                     |                                                          |
| 40. | IS-280  | Mild steel wire for general engineering purpose (Second revision).                 |                                                          |
| 41. | IS-5300 | Porcelain Guy Strain insulator                                                     |                                                          |
| 42. | IS-5561 | Electric power connectors.                                                         |                                                          |
| 43. | IS-5    | Colours for ready mixed paints (Second revision).                                  |                                                          |
| 44. | IS-3972 | Methods of Test for vitreous enamel wire.                                          |                                                          |
| 45. | IS-4711 | Methods for sampling of steel pipes, tubes and fittings.                           |                                                          |
| 46. | IS-1599 | Method for bend test for steel products other than sheet, strip, wire and tube(    |                                                          |
|     |         | first revision)                                                                    |                                                          |
|     |         |                                                                                    |                                                          |

|     |          |                                                                               |
|-----|----------|-------------------------------------------------------------------------------|
| 47. | IS-1678  | Pre-stressed concrete poles for overhead power traction & Telecommunication   |
|     |          | Lines.                                                                        |
| 48. | IS-8623  | Methods for radio interference tests on high voltage insulators               |
| 49. | IS-13947 | Specification for low voltage switchgear & control gear.                      |
| 50. | IS-14255 | Aerial Bunched Cable for working voltages up to and including 400 V –         |
|     |          | Specification.                                                                |
| 51. | IS-8130  | Conductor for insulated electric cables & flexible cords.                     |
| 52. | IS-5561  | Electric power connectors.                                                    |
| 53. | IS-617   | Aluminium and aluminium alloy ingots and casting for general engineering      |
|     |          | Purpose (second revision).                                                    |
| 54. | IS-2544  | Porcelain post insulators for systems with nominal voltages greater than 1000 |
|     |          | Volts (First revision) (with Amendment No.1).                                 |
| 55. | IS-7098  | LT XLPE insulated (Heavy Duty) electric cables.                               |
| 56. | IS-5831  | PVC insulation and sheath of electric cables (with Amendments No. 1 to 3).    |
| 57. | IS-1239  | Mild steel tubes, tubulars and other wrought steel fittings.                  |
| 58. | IS-5039  | Distribution pillar for voltages not exceeding 1000 volts.                    |

**For 12Kv RMUs:**

|                                |                                                             |  |  |  |  |
|--------------------------------|-------------------------------------------------------------|--|--|--|--|
| IEC 62271-200/IS 12729:1988    | General requirement for Metal Enclosed Switchgear           |  |  |  |  |
| IEC62271-102/IS 9921           | Alternating Current disconnectors (Load Break               |  |  |  |  |
|                                | Isolators) and Earthing Switch.                             |  |  |  |  |
| IEC 62271-100 / IEC 62271-200  | Specification for alternating current circuit breakers      |  |  |  |  |
| IEC 62 271-1                   | Panel design, SF6/Vacuum Circuit Breakers                   |  |  |  |  |
| IEC60044-1/IS2705:1992         | Current Transformer                                         |  |  |  |  |
| IEC 60265/IS 9920:1981         | High voltage switches                                       |  |  |  |  |
| IEC 376                        | Filling of SF6 gas in RMU                                   |  |  |  |  |
| IEC 60273/IS :2099             | Dimension of Indoor & Outdoor post insulators with          |  |  |  |  |
|                                | voltage > 1000 Volts                                        |  |  |  |  |
| IEC 60529/IS 13947(Part-1)     | Degree of protection provided by enclosures for low         |  |  |  |  |
|                                | voltage switchgear and control gear.                        |  |  |  |  |
| IS 3043-1987                   | Code of Practice for earthing                               |  |  |  |  |
| Indian Electricity Rules/Bills |                                                             |  |  |  |  |
| For 33Kv VCBs                  |                                                             |  |  |  |  |
| IEC56/IS:13118/IS-             | Circuit                                                     |  |  |  |  |
| 3427/IS:10118 (Part-III) –     | Breaker/                                                    |  |  |  |  |
| 1982/ IS:2165-1977/            | metal                                                       |  |  |  |  |
| IS:3716-1976/ IEC-62271-       | enclosed                                                    |  |  |  |  |
| 100/ IEC-62271-200             | Switchgear                                                  |  |  |  |  |
|                                | and control gear.                                           |  |  |  |  |
| IS: 3156                       | Voltage transformers.                                       |  |  |  |  |
| IS: 2705                       | Current transformers.                                       |  |  |  |  |
| IS: 3231                       | Electrical Relays for power system.                         |  |  |  |  |
| IS:1248                        | Meters and Instruments                                      |  |  |  |  |
| IS:14697-1999                  | Specification for AC static transformer operated watt hour  |  |  |  |  |
|                                | and VAR hour meters class 0.2 S & 0.5 S.                    |  |  |  |  |
| IEC-62053-22-2003              | Specification for AC Static Watt hour Meters, class 0.2 S & |  |  |  |  |
| IEC-62052-11-2003              |                                                             |  |  |  |  |
| CBIP                           | Technical Report                                            |  |  |  |  |
| No.304                         | Specification for AC Static Electrical Energy Meter.        |  |  |  |  |

**Signature of Contractor/Bidder**

**Executive Engineer (Elect-I)**

**JDA, Jaipur**

**Compliance with the Code of Integrity and No Conflict of Interest**

Any person participating in a procurement process shall-

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid-rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring entity and the bidders with an intent to gain an unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

**Conflict of interest:**

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

A bidder may be considered to be in conflict of interest with one or more parties in the bidding process if, including but not limited to:

- (a) Have controlling partners/shareholders in common; or
- (b) Receive or have received any direct or indirect subsidy from any of them; or
- (c) Have the same legal representative for purposes of the bid; or
- (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another bidder, or influence the decisions of the procuring Entity regarding the bidding process; or
- (e) The bidder participates in more than one bid in a bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a bidder, in more than one bid; or
- (f) the bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods, works or services that are the subject of the Bid; or
- (g) Bidder or any of its affiliates has been hired (or proposed to be hired) by the procuring entity as engineer-in-charge/consultant for the contract.

## **Declaration by the Bidder regarding Qualifications**

### **Declaration by the Bidder**

In relation to my/our Bid submitted to .....for procurement of .....in response to their Notice inviting Bids No.....Dated.....I/we .....hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012 that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entry;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the union and the state government or any local authority as specified in the Bidding Document.
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offense related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:

Signature of the bidder

Place:

Name:

Designation:

Address:

**Note:- Annexure "B" is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking any clarification.**

## **Grievance Redressal during Procurement Process**

### **The designation and address of the First Appellate Authority:**

For works costing up to Rs. 300.00 Lakhs - Jaipur Development Commissioner, JDA, Jaipur.

For works costing above Rs. 300.00 Lakhs - Executive Committee, JDA, Jaipur.

### **The designation and address of the Second Appellate Authority:**

For works costing up to Rs. 300.00 Lakhs - Executive Committee, JDA, Jaipur.

For works costing above Rs. 300.00 Lakhs - Principle Secretary / ACS, Urban Development & Housing Department, GOR, Jaipur.

#### **(1) Filing an appeal: -**

if any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the rules or the guidelines issued there under, he may file an appeal to First Appellate authority, as specified in the Bidding document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which, he feels aggrieved:

Provided that after the declaration of a bidder as successful the appeal may be filed only by a bidder who has participated in procurement proceedings:

Provided further that in case a procuring entity evaluates the technical bids before the opening of the financial bids, an appeal related to the matter of financial bids may be filed only by a bidder whose technical bid is found to be acceptable.

(2) The officer to whom an appeal is filed under Para (1) shall deal with the appeal as expeditiously as possible and shall Endeavour to dispose it of within thirty days from the date of the appeal.

(3) If the officer designated under Para (1) fails to dispose of the appeal filed within the period specified in Para (2), or if the bidder or prospective bidder or the procuring entity is aggrieved by the order passed by the first appellate authority, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to the second appellate authority specified in the bidding document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the first appellate authority, as the case may be.

#### **(4) Appeals not to lie in certain cases: -**

No appeal shall lie against any decision of the procuring entity relating to the following matters, namely: -

- (a) Determination of the need of procurement
- (b) Provisions limiting the participation of bidders in the bid process
- (c) The decision of whether or not to enter into negotiations
- (d) Cancellation of a procurement process
- (e) Applicability of the provisions of confidentiality

#### **(5) Form of Appeals: -**

- (a) An appeal under Para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, Affidavit verifying the facts stated in the appeal and proof of payment of fee,
- (c) Every appeal may be presented to the first appellate authority or second  
The appellate authority, as the case may be, in person or through registered post or authorized representative.

#### **(6) Fee for filing Appeal: -**

- (a) Fee for the first appeal shall be rupees two thousand five hundred and for the second appeal shall be rupees ten thousand, which shall be non-refundable.

- (b) The fee shall be paid in the form of a bank demand draft or banker's cheque of a scheduled bank in India payable in the name of the appellate authority concerned.

**(7) Procedure for disposal of Appeal: -**

- (a) The first appellate authority or second appellate authority as the case may be, upon the filing of the appeal, shall issue notice accompanied by a copy of the appeal, affidavit and documents, if any, to the respondents and fix a date of hearing
- (b) On the date fixed for hearing, the first appellate authority of the second appellate authority, as the case may be shall-
  - (i) Hear all the parties appeal presenting before him; and
  - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the appellate authority concerned shall pass an order in writing and provide a copy of the order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the state public procurement portal.

### **Additional Conditions of Contract**

**1. Correction of arithmetical errors**

Provided that a financial bid is substantially responsive, the procuring entity will correct arithmetical errors during the evaluation of financial Bids on the following basis:

- (i) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected unless in the opinion of the procuring entity, there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (ii) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its bid security shall be forfeited or its bid securing declaration shall be executed.

**2. Procuring Entity's Right to Vary quantities.**

- (i) At the time of award of the contract, the quantity of goods, works or services originally specified in the bidding documents may be increased or decreased, by a specified percentage, but such increase or decrease shall not exceed fifty percent, of the quantity specified in the bidding documents. It shall be without any change in the unit prices or other terms and conditions of the bid and the conditions of the contract.
- (ii) If the Procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding document due to change circumstances, the bidder shall not be entitled to any claim or compensation except otherwise provided in the conditions of the contract.
- (iii) In case of procurement of goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of goods of the original contract and shall be within one month from the date of expiry of the last supply. If the supplier fails to do so, the procuring entity shall be free to arrange for the balance supply by limited bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

**3. Dividing quantities among more than one bidder at the time of award (In case of procurement of Goods):-**

As a general rule, all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, then in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidder in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

## Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA & Bid Submission on 'e-Procurement Portal' of Government of Rajasthan: -

### A\*Process for Tender Participation & Depositing Payment on 'Online Tender Participation' Portal of JDA

#### 1-Participate in tender

- a) Bidder can access 'Online Tender Participation' Portal of JDA at <https://jda.urban.rajasthan.gov.in/jda> or by Single-Sign-On at <http://service.jaipurjda.org>.
- b) Create user Login with a valid mobile number to register yourself for various Online Services of JDA.
- c) Select 'Proceed as Citizen' and then 'Proceed for Subscription' for 'Tender Online Payment'. The prevailing plan for getting registered for tendering process of JDA is Rs. 500.00 with a validity period of 3 Years (renewable).
- d) After successful payment, re-login and upload required documents for KYC (Know Your Client) compliance as per the type of entity viz. Individuals/ Company/ Partnership Firms/ Trusts & foundations. Besides, Bank Passbook / Cancelled Cheque consisting of Bank Account, IFSC Code is mandatory to be uploaded, to refund the bid security of unsuccessful bidder.
- e) After receiving the payment successfully and approving KYC documents the bidder will be authenticated by JDA for taking part in Tender.

#### 2-Deposit Tender Fee, RISL processing fee and Bid Security (EMD)

- **Option-1:** Payment Gateway (Aggregator)  
The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from anywhere any time till the closing date & time of bid participation.
- **Option-2:** Electronic Fund Transfer (EFT: NEFT/RTGS)  
If the bidder selects payment mode as EFT (NEFT/RTGS), "Paying Slip for EFT (NEFT/RTGS)" will be generated by the system for the complete amount. The payment can be made from any Bank any Branch using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 48 hours prior to closing date of bid participation.

#### 3-Deposit Bid Security (EMD)

The Bid Security (EMD) can be submitted through Bank Guarantee (BG). Bidder may opt Bank Guarantee (BG) against Bid Security (EMD), for which bidder requires to prepare BG before applying in the tender. The detail of BG requires to be fed on 'Online Tender Participation' Portal of JDA before paying balance amount (Tender Fee + RISL Processing Fee). This balance amount will be paid through Payment Gateway only, option to make balance payment through EFT (RTGS/NEFT) will not be available.

#### 4-Obtain Bid Participation Receipt

After confirming payment, the bidder will get Bid Participation Receipt based on which user will get the payment details along with other details for bidding on e-Procurement portal of GOR.

- In case of BG as the remaining payment will be done through Payment Gateway, on successful transaction the 'Bid Participation Receipt' will be generated on real time basis.
- In case complete payment is done through Payment Gateway, on successful transaction the 'Bid Participation Receipt' will be generated on real time basis.
- In case complete payment is done through EFT (NEFT/RTGS), on confirmation of payment from ICICI Bank (Auto Process) 'Bid Participation Receipt' will be available on Login of Bidder on JDA portal.

### B-\*\*Bid Submission on 'e-Procurement Portal' of Government of Rajasthan

- 1- Online e-Bid can be submitted after registration at e-Procurement Portal of Government of Rajasthan [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in)
- 2- It is mandatory to upload Bid Participation Receipt with the bid submission.
- 3- Details of online payment available on Tender Participation Portal of JDA have to be filled in 'offline payment' section of e-Procurement portal.

**Note**

- 1- Bidder (authorized signatory) shall submit their offer on-line in electronic formats both for technical and financial proposal.
- 2- In case, any of the bidders fails to pay the Tender Fee, BSD, and RISL Processing Fee, online (subject to confirmation), its Bid shall not be accepted.
- 3- To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III) as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e., TCS, Safecrypt, nCode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must register on <http://eproc.rajasthan.gov.in> (bidders already registered on <http://eproc.rajasthan.gov.in> before 30-09-2011 must register again).
- 4- JDA will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
- 5- Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.
- 6- Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&C, GoR on a regular basis. Bidders interested in training may contact e-Procurement Cell, DoIT&C for booking the training slot.

Contact No: 0141-4022688 (Help desk 10 am to 6 pm on all working days) e-mail: [eproc@rajasthan.gov.in](mailto:eproc@rajasthan.gov.in)

Address: e-Procurement Cell, JDA, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur

- 7- The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.
- 8- No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder.
- 9- Procurement entity disclaims any factual/ or other errors in the bidding document (the onus is purely on the individual bidders to verify such information) and the information provided therein are intended only to help the bidders to prepare a logical bid-proposal.
- 10- The provisions of RTPPA Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPPA Act 2012 and Rules thereto, the later shall prevail.

|                                              |                      |
|----------------------------------------------|----------------------|
| <b>Jaipur Development Authority, Jaipur.</b> |                      |
| <b>Bid Participation Receipt</b>             |                      |
|                                              | Date & Time:-        |
| <b>Bid Detail</b>                            |                      |
| Bid ID:                                      | Procurement Entity:- |
| Bid Title:                                   |                      |
| Bid Value:                                   | Bid Opening Place:   |
| <b>Bidder Detail</b>                         |                      |
| Name of Entity:                              | Mobile No.:          |
| Registration Type:                           | Instrument Amount:   |
| Payment Mode:                                | Payment Channel:     |
| Instrument No.:                              | Instrument Date:     |

| Dates Detail |                  |            |
|--------------|------------------|------------|
| Sr. No.      | Event Name       | Event Date |
| 1            | Publishing Date  |            |
| 2            | Bid Opening Date |            |

|                                                |                      |                 |      |
|------------------------------------------------|----------------------|-----------------|------|
| <b>Specific Instrument for eProc Rajasthan</b> |                      |                 |      |
| <b>Instrument Type</b>                         |                      |                 |      |
| Instrument Number                              | Head Name            | Amount          | Date |
|                                                | Tender Fee           |                 |      |
|                                                | RISL Processing Fee  |                 |      |
|                                                | Bid Security Deposit |                 |      |
| Issuer Detail: Jaipur Development Authority    |                      | Challan Number: |      |

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website [www.jda.urban.rajasthan.gov.in](http://www.jda.urban.rajasthan.gov.in).

**FORM No. 1**

[See Rule 83]

**Memorandum of Appeal under the Rajasthan  
Transparency in Public Procurement Act, 2012**

Appeal No. .... of .....

Before the ..... (First/Second Appellate Authority)

1. Particulars of appellant :

(i) Name of the appellant :

(ii) Official address, if any :

(iii) Residential address :

2. Name and address of the respondent (s) :

(i)

(ii)

(iii)

3. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal: .....

(Supported by an affidavit)

7. Prayer: .....

Place .....

Date .....

**Appellant's Signature**

**SPECIAL CONDITIONS OF CONTRACT REGARDING DEFECT LIABILITY PERIOD (DLP)**  
**FOR WORKS COSTING RS. 25.00 LACS AND MORE**

Table-1

| S.No. | Type of work                                                                                        | DLP Period                                                      |
|-------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 1.    | <b>Bridge Work</b>                                                                                  | <b>5 Years</b>                                                  |
| 2.    | <b>CD Work</b>                                                                                      | <b>5 Years</b>                                                  |
| 3.    | <b>CC Road. PQC Work</b>                                                                            | <b>5 Years</b>                                                  |
| 4.    | <b>CC tiles/Krebs/medians</b>                                                                       | <b>5 Years</b>                                                  |
| 5.    | <b>Drains</b>                                                                                       | <b>3 Years</b>                                                  |
| 6.    | <b>Roads</b>                                                                                        |                                                                 |
|       | (i) Two-layer WBM/GSB                                                                               | <b>6 months or one full rainy season<br/>whichever is later</b> |
|       | (ii) For Renewal/Strengthening                                                                      |                                                                 |
|       | (a) BT up to 30 mm thickness                                                                        | <b>1 Years</b>                                                  |
|       | (b) BT above 30 mm to up to 40 mm                                                                   | <b>2 Years</b>                                                  |
|       | (c) BT above 40 mm to up to 90 mm                                                                   | <b>3 Years</b>                                                  |
|       | (d) BT above 90 mm thickness                                                                        | <b>5 Years</b>                                                  |
|       | (iii) New Roads                                                                                     |                                                                 |
|       | (a) BT up to 90 mm                                                                                  | <b>3 Years</b>                                                  |
|       | (b) BT more than 90 mm                                                                              | <b>5 Years</b>                                                  |
| 7.    | <b>Compound wall</b>                                                                                | <b>3 Years</b>                                                  |
| 8.    | <b>Building Work</b>                                                                                |                                                                 |
|       | (i) Work pertaining to Sanitary work electrical works, Joinery works and painting work.             | <b>2 Years</b>                                                  |
|       | (ii) Work pertaining to the Building structure and other electrical works                           | <b>5 Years</b>                                                  |
| 9.    | <b>Electric work except for maintenance</b>                                                         | <b>3 years</b>                                                  |
| 10.   | <b>Sewer/Water supply including STP and water supply-related work except for maintenance works.</b> | <b>3 Years</b>                                                  |

**1. ROAD-WORKS**

- 1.1 The Defect Liability Period (DLP) for all Road works excluding patch repair work shall be as per the above table. Road works executed by the Contracting agency shall be maintained by them at their own cost for completion (DLP) from the actual date of completion of work as per the clause in the Contract Agreement and Special Condition of the Contract.
- 1.2 No extra payment shall be made to the contracting agency on account of maintenance of Road works and removal of defect during the Defect Liability Period.
- 1.3 The word "Road Works" means all new Road Works construction, widening, strengthening, up-gradation and renewal works
- 1.4 The word "Maintenance of Road Works during Defect Liability Period" means
  - (i) Routine maintenance of Road Works,
  - (ii) To remove the defect as & when appear in part and the entire structure of Road Works, in the specified time and keeping the Road Surface with good riding quality and
  - (iii) Damages due to improper drainage/ drains, local flooding, depressions on roads etc.
- 1.5 The contracting agency shall do the routine maintenance of Road works, including pavement, road side and cross drains including surface drains to the required standards and keep the entire road surface and structure in Defect free conditions during the entire period of routine maintenance, which begins at the completion of the construction work and ends after complete (DLP).
- 1.6 The routine maintenance shall consist of the routine maintenance operation defined in the manual for the maintenance of roads of MoRTH and shall be carried out accordingly.
- 1.7 The routine maintenance activities and their periodicity.

| S.No. | Name of Item/Activity                                                                                                                               | Frequency of operations in one year                                                                                                                                                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Restoration of rain cuts and dressing of berms.                                                                                                     | Once in a year, generally after rains.                                                                                                                                                                                      |
| 2     | Making up of shoulders.                                                                                                                             | As and when required.                                                                                                                                                                                                       |
| 3     | Maintenance of Bituminous surface road and/or gravel road/WBM road including filling pot holes and patch repairs etc.                               | As and when required.                                                                                                                                                                                                       |
| 4     | Insurance of proper functioning of drains including electrical maintenance and desalting of drains. (If constructed by the same Road agency or not) | As and when required.                                                                                                                                                                                                       |
| 5     | Maintenance of road signs. (If installed by the same Road agency)                                                                                   | Maintenance as and when required. Repainting <b>once in every one and a half years.</b>                                                                                                                                     |
| 6     | Road Marking, Kerb Stone / Dand. (If done by the same Road agency)                                                                                  | <b>Thermoplastic Paint</b><br>Maintenance as and when required. Repainting <b>once in everyone &amp; a half year.</b><br><b>Ordinary Paint</b><br>Maintenance as and when required. Repainting <b>thrice in every year.</b> |
| 7     | Damages beyond the control of the agency.                                                                                                           | Road cuts made by various agencies for utility, duly permitted by JDA / JNN will have to be repaired by the agency on the same rates of the contract agreement till DLP.                                                    |

## 2. General

### 2.1 Inspection of works during the Defect Liability Period

2.1.1 The contracting agency shall undertake a joint detailed inspection along with Engineer-in-charge/A.En., at least once in three months in case of all Road works. The Engineer-in-charge can reduce this frequency in case of an emergency. The Contracting agency shall forward to the engineer in-charge the record of inspection and rectification immediately after the joint inspection. The Contracting agency shall pay particular attention to those road sections, which are likely to be damaged during rainy season.

2.1.2 One register has to be maintained by every AEN for recording the inspection details of works in his jurisdiction under defect liability period.

### 2.2 Conditions regarding Performance Security

#### 2.2.1 Security for DLP-

The contracting agency shall have to furnish Performance Security in the form of Bank Guarantee valid from the actual date of completion, which shall be assigned by the Engineer-in-charge.

2.2.2 The release of PS amount shall be as per following table 2 :-

| S.No. | Released PS \ DLP Period | 1 Year | 2 Years | 3 Years | 5 Years |
|-------|--------------------------|--------|---------|---------|---------|
| 1.    | After 1 year             | 100%   | 40%     | 20%     | 10%     |
| 2.    | After 2 year             |        | 60%     | 20%     | 10%     |
| 3.    | After 3 year             |        |         | 60%     | 10%     |
| 4.    | After 4 year             |        |         |         | 20%     |
| 5.    | After 5 year             |        |         |         | 50%     |

The Performance Security will be released as per the above table after a satisfactory performance certificate issued by Engineer-In-Charge:-

#### 2.2.3 Forfeiture of Performance Security

In case the contracting agency fails to rectify the defects within the stipulated period notified to him by the Engineer-in-charge concerned under the contract agreement, the Engineer-in-charge shall serve a final notice for 5 days time reckoned from the date of issue of notice to rectify the defects. In case the contracting agency not responding to the notice and fails in the rectification of defects the Engineer-in-charge will get the defect removed at the risk and cost of the contracting agency. Action such as encashment of Bank Guarantee and action under enlistment rules etc. shall also be taken against the contracting agency by the competent authority.

#### 1.2.4 Force Majeure

The defect that arises due to earthquakes, cyclones, and natural calamities shall not be the responsibility of contracting agency.

## 2.2.5 Various conditions for managing DLP are as under:-

- (i) At the time of completion of work, final component shall be worked out for each individual item like BT/CC/tiles/ drains etc. (as per different categories in Table-I), DLP shall be operative based upon type of individual item ex:- CC-5 years, BT-1/2/3/5 years, Drain-3 years etc.
- (ii) If any work, amount is less than Rs. 25 lacs but later on due to extra/excess work, if amount of final work crosses more than Rs. 25 lacs, DLP shall be operative as per rule for each individual item.
- (iii) Similarly, if any work is more than Rs. 25 lacs but after finalization amount of work is less than Rs. 25 lacs, DLP should be operative for six months or rainy season whichever is later.
- (iv) During DLP period if contractor fails to repair any work even after the issue of 7 days written notice, the same work shall be got executed by the respective Executive Engineer at the contractor's risk and cost. This process shall be applicable throughout the DLP period. After completion of DLP period in such works contractor should be debarred and blacklisted, from JDA for three years as per RTPP rule 2012 and 2013 where his defaults twice in a single agreement or in two different works.
- (v) Quarterly Inspection as per rules shall be carried out and DLP registers shall be maintained by respective Executive Engineers to monitor the DLP repairs.
- (vi) Special and regular inspection shall also be carried out as per order no. JDA/XEN & TA to DE-I/2014-15/D-223 dated 12.03.2015 and order no. SE (PMGSY) CIRCULAR 2006/D-115 dated 04.05.2006 Point no. 3.
- (vii) In case JDA feels to take up work on any existing DLP road due to any reason, the following procedure should be adopted:
  - (a) At the time of withdrawal total liability of repairs as per DLP conditions to be carried out and the contractor shall be asked to complete the same. After completion of assessed repairs, DLP period shall be released after deduction amt. as per following table-III.

**Table-3**

| % Recovery on withdrawal of DLP of work order<br>DLP period | 1 Year | 2 Year | 3 Year | 4 Year | 5 Year |
|-------------------------------------------------------------|--------|--------|--------|--------|--------|
|                                                             | 1 Year | 2 Year | 3 Year | 4 Year | 5 Year |
| 1 Year                                                      | 1.12   | -      | -      | -      | -      |
| 2 Year                                                      | 2.55   | 1.43   | -      | -      | -      |
| 3 Year                                                      | 4.38   | 3.26   | 1.83   | -      | -      |
| 5 Year                                                      | 9      | 7.88   | 6.45   | 4.62   | 2.47   |

**Note:- Calculation is to be done on a quarterly basis.**

- (b) In case the Contractor fails to carry out these repairs, same shall be carried out at his risk and cost. If the total amt. of such repairs works out to be more than the total retained amount of PS same shall be recovered from other works and as per PDR rules. The amount as per Table 3 is also to be deducted in addition to this amount.
  - (viii) Based upon the type of work, DLP conditions for works to be carried out during the DLP period with their frequency of the respective type of work shall be prepared by respective SE's after approval of these periods.
3. In case patch repairs/electrical maintenance works costing more than Rs. 25.00 Lakhs, defect liability period will as per clause 37(C) of Contract Agreement.

**Executive Engineer-(Elect.-I)  
JDA, Jaipur**

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

**Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur**

**Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                            |          |         |                |              |                                                                                |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------------|--------------|--------------------------------------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                            |          |         |                |              |                                                                                |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                            |          |         |                |              |                                                                                |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                           | Quantity | Units   | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                                          |
| 1.00           | P & Laying XLPE insulated IS:7098/II/85 of Group1 and approved make H.T.cable for working voltage 33 K.V.Earthed direct in ground including excavation of 30cmx120cm size trench, 25cm layer of river sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size. |          |         |                |              |                                                                                |
| 1.10           | 3 core 300.0 Sq.mm, Complete Rate Group 1                                                                                                                                                                                                                                                                                                  | 4000.000 | Mtr     | 1988.80        | 7955200.00   | INR Seventy Nine Lakh Fifty Five Thousand Two Hundred Only                     |
| 2.00           | P & Laying XLPE insulated IS:7098/II/85 of Group1 and approved make H.T.cable for working voltage 11 K.V.Earthed direct in ground including excavation of 30cmx100cm size trench, 25cm layer of river sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size. |          |         |                |              |                                                                                |
| 2.10           | 3 core 185.0 Sq.mm, Complete Rate Group 1                                                                                                                                                                                                                                                                                                  | 1100.000 | Mtr     | 1012.80        | 1114080.00   | INR Eleven Lakh Fourteen Thousand &Eighty Only                                 |
| 2.20           | 3 core 300.0 Sq.mm, Complete Rate Group 1                                                                                                                                                                                                                                                                                                  | 1000.000 | Mtr     | 1359.20        | 1359200.00   | INR Thirteen Lakh Fifty Nine Thousand Two Hundred Only                         |
| 3.00           | Providing & making heat shrinkable type indoor/outdoor/straight through terminations/joint kit of Group1 and approved make suitable for XLPE insulated 11 KV /33 KV cable, with required components, prepration of cable ends,testing etc. as required of following sizes. Complete Rate Group 1                                           |          |         |                |              |                                                                                |
| 3.10           | 11 KV End Termination Kit Outdoor type, 3 core 120/150/185/225 Sq.mm,                                                                                                                                                                                                                                                                      | 6.000    | Per Set | 5200.00        | 31200.00     | INR Thirty One Thousand Two Hundred Only                                       |
| 3.20           | 3 core 240/300 Sq.mm,                                                                                                                                                                                                                                                                                                                      | 6.000    | Per Set | 5600.00        | 33600.00     | INR Thirty Three Thousand Six Hundred Only                                     |
| 3.30           | 11 KV Straight Through Joint Kit, 3 core 120/150/185/225 Sq.mm                                                                                                                                                                                                                                                                             | 10.000   | Per Set | 12000.00       | 120000.00    | INR One Lakh Twenty Thousand Only                                              |
| 3.40           | 3 core 240/300 Sq.mm                                                                                                                                                                                                                                                                                                                       | 10.000   | Per Set | 13200.00       | 132000.00    | INR One Lakh Thirty Two Thousand Only                                          |
| 3.50           | 33 KV End Termination Kit Indoor type, 3 core 240/400 Sq.mm                                                                                                                                                                                                                                                                                | 16.000   | Per Set | 7132.80        | 114124.80    | INR One Lakh Fourteen Thousand One Hundred & Twenty Four and Paise Eighty Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                |              |                                                                                      |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|----------------|--------------|--------------------------------------------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                |              |                                                                                      |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |                |              |                                                                                      |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity | Units   | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                                                |
| 3.60           | 33 KV End Termination Kit Outdoor type, 3 core 240/400 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12.000   | Per Set | 8085.12        | 97021.44     | INR Ninety Seven Thousand &Twenty One and Paise Forty Four Only                      |
| 3.70           | 33 KV Straight Through Joint Kit, 3 core 240/400 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20.000   | Per Set | 24229.44       | 484588.80    | INR Four Lakh Eighty Four Thousand Five Hundred & Eighty Eight and Paise Eighty Only |
| 4.00           | Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size. Complete Rate Group 1                                                                                                                                                                                                                                                   |          |         |                |              |                                                                                      |
| 4.10           | 3.5 x 185.0 sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 26.000   | Per Set | 316.00         | 8216.00      | INR Eight Thousand Two Hundred & Sixteen Only                                        |
| 5.00           | S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 ( 1990 ) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required                                                                                                                                                                                                                                                                                                                                                                                                   |          |         |                |              |                                                                                      |
| 5.10           | 125 mm dia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1000.000 | Mtr     | 740.00         | 740000.00    | INR Seven Lakh Forty Thousand Only                                                   |
| 6.00           | Supply & fabrication steel structure with MS channel / angle / joist / ISMB / sheet etc. including welding, rivetting, cutting, nut & bolt , Painting etc. as required. Complete Rate Group 1                                                                                                                                                                                                                                                                                                                                                                                          | 1000.000 | KG      | 67.20          | 67200.00     | INR Sixty Seven Thousand Two Hundred Only                                            |
| 7.00           | SITC of Cutting back up surface up to 2 Mtr. Depth by digging by Bogi including all layers of crust for laying pipe line etc. and making good to original condition (excluding cost of bitumen). Complete Rate Group 1                                                                                                                                                                                                                                                                                                                                                                 | 3250.000 | Mtr     | 288.00         | 936000.00    | INR Nine Lakh Thirty Six Thousand Only                                               |
| 8.00           | Maintenance free Gel Earthing with Pipe in pipe / Pipe in strip technology filled with anti corrosive conductive compound ( CPRI Tested ) below the ground in 150 - 200 mm dia. earth pit & surrounding filled with required mineral filling compound ( MFC should have hygroscopic property to retain the moisture for long time to create low resistance zone ) and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300mm complete testing of earth resistance as required. of following sizes. Complete Rate Group 1 |          |         |                |              |                                                                                      |
| 8.10           | With Strip in Pipe Technology with 80 - 100 micron GI Coating, GI pipe 3000 mm long ,63 / 80mm, Inner strip 50 mm x 3 mm copper                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 54.000   | Per Set | 10390.40       | 561081.60    | INR Five Lakh Sixty One Thousand &Eighty One and Paise Sixty Only                    |
| 9.00           | S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required. Complete Rate Group 1                                                                                                                                                                                                                                                                                                                                                                                    |          |         |                |              |                                                                                      |
| 9.10           | 50mm x 6mm G.I. ( Hot Dipped ) Strip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 324.000  | Mtr     | 170.40         | 55209.60     | INR Fifty Five Thousand Two Hundred & Nine and Paise Sixty Only                      |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-------------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                 |
| 10.00          | P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand,Ind class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                                                       |
| 10.10          | 3.5 core x 185.0 Sq.mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1000.000 | Mtr   | 733.60         | 733600.00    | INR Seven Lakh Thirty Three Thousand Six Hundred Only |
| 11.00          | 33 KV OUTDOOR RMU BOARD - Supply, installation,testing & commissioning of 33 KV,630A, STC:25kA for 3sec and Internal Arc 25KA for 1 sec with AFLR(all ,front,lateral,rear) classification (for gas tank & cable chamber), Outdoor(IP54) type non-extensible 6-way Ring Main Unit floor mounted with internal copper bus bars, consisting of 2 nos. fixed Motorized Load Break Switch as Incomer and 4 nos. fixed type motorised Vacuum Circuit Breaker as outgoing. All live parts, bus bars, LBSs connections of RMU should be enclosed in a tank , sealed for life robotically welded non magnetic and non ferrite grade stainless steel tank Grade 304 of minimum 2 mm thick having IP67 degree of protection filled with SF6 gas as insulation with leakage rate less than 0.1% per year tested as per IEC 62271-200. The Unit shall be tested with Short time Fault Current Rating of 25kA for 3 sec. Each VCB feeder shall have a numerical protection relay for 3O/C+1E/F+ Line Differential protection on Modbus/ IEC61850 protocol over RS485/RJ45 port.The unit shall have front cable entry for ease of installation and shall have site replaceable bushings for ease of troubleshooting during breakdown.RMU should be complete with all accessories such as touch proof Termination kits suitable for 1Rx3Cx300sqmm Cable for Incomer Module and 1Rx3Cx240sqmm for each Outgoing Module ;VPIS (Voltage Presence Indicator System) ; |          |       |                |              |                                                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|---------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                   |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                   |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                             |
| 11.10          | cable supports, all front cable terminations, mechanical indications for Load break switch ON/OFF, Manometer as per with IEC standards 62271-200, 60056, 60129, 60265, 60298, 60420, 60529 and 60694. The Vacuum Interrupter, numeral relay shall be of same make as the RMU OEM. OEM shall provide necessary arrangement of Battery and Charger with minimum 26AH capacity battery inside the RMU to convert this 230VAC into control voltage as per OEM’s RMU design. Else, DC supply from control room can be taken. Supply of Touchproof termination kits as per above cable size and its termination at site shall be in RMU OEM Scope only to avoid any commissioning errors.Also,supervision of commissioning of this RMU shall be in RMU OEM Scope to avoid any hassles and ensure smooth charging of the RMU. CT shall be as per desired load position of the site and shall be used for protection purpose. There shall be FRTU with FO converter etc as required to control & monitor entire RMU from REMOTE. This also including all accessories complete in all respect. ,includes Gel earthing and foundation etc.                                                                                                                                                                                                                                                  | 1.000    | Nos.  | 7797000.00     | 7797000.00   | INR Seventy Seven Lakh Ninety Seven Thousand Only |
| 12.00          | 33 KV INDOOR GIS PANEL BOARD Supply , installation, testing and commissioning of indoor type SF6 Insulated 33KV GIS Switchboard having 2 incomer, 3 Transformer Outgoings panels with possibility of future extension at one side,capacity 33 KV, 630 Amp, 3 Phase, 3 wire, 50 Hz, having a rupturing capacity of 31.5 KA for 3 sec, with Circuit breaker enclosed within one SF6 gas filled SS304 grade stainless steel tank of 2.5mm thick and Copper Busbar 630A with 3 position Disconnecter in a seperate gas tank, metal clad , flush front, maintenance free with Electrical and Mechanical interlock. The arc interruption of the switchgear shall be by vaccum interrupters (Should be GIS manufacturer's own make) , along with three position ON-OFF-EARTH isolation switch in series to connect to busbar. There should not be any gas handling at site installation and furute expansion. Each panel /feeder shall be floor standging type, should have seperate gas tanks, seperate closing & tripping mechanism (Manual & motorized) for VCB, Drive mechanism for 3 position switch (Manual & Motor operated) as per the specification below. VCB 630 Amps for Incomer , Outgoing. Vacuum Interrupter Must be suitable for 50 nos Full short circuit breaking operation. - Offered panel musted be type tested for 70KV(RMS) & 170KV(Peak) basic Insulation level. |          |       |                |              |                                                   |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-------------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |       |                |              |                                                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                 |
| 12.10          | - Resin Cast type CT having Ratio : 200-100A/ 1-1 A Core1: 5P20, 5 VA; Core 2: 0.5, 5 VA (For incomer 5P20 will become PS Class) - Line VT Ratio: 33KV/1.732/110V/1.732/110V/1.732, -Core 1: 0.5, Core 2: 3P, 50VA ( only for Incomer feeder). Line VT should be touchproof type. - Numerical relay (should be VCB manufacturer's own make) having protections of 50,51, 50N,51N,TCS(overcurrent and earth fault) and control with IEC61850 protocol.<br>- For Incomer Line Differential (87L), 59 & 27(over voltage,under voltage) functions shall be integral function of Main numerical realy - Aux relay for WTI, OTI, BUCHOLZ alam & Trip (only for outgoing Transformer feeder)<br>- Digital Ammeter with selector switch for each feeder and Digital Voltmeter with selector switch(for Incomer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |       |                |              |                                                       |
| 12.20          | - Multifunction Meter of Acc Class 0.5, having facility to see KW, KVA, KVAR, PF, KWH, KVARH, KVAH, A,V etc. with modbus protocol<br>- LR & TNC switch, space heater<br>- indication lamp - CB ON/OFF, spring charge, Auto trip, TCS healthy, ISOLATOR ON-OFF-EARTH etc. Annunciator (6/8 window) and dynamic simaphore SLD at the front door of the switch<br>-each feeder should have outer cone cable ternination facility for cable size up to 1RX3CX300sq.mm. The cable termination kit must be touchproof screen seperable type.<br>- Complete panels shall be suitable for Internal Arc of 31.5KA for 1 sec with AFLR classification.<br>- 1 nos. Ethernet switch having 10 nos. Port for scada purpose in any of the GIS panel.<br>- There must not be any gas handling at site during installation or future addition for the offered GIS.<br>- The offered GIS must be type tested for withstand of mentioned basic insulation level at 1 bar absolute SF6 gas pressure.<br>- Each gas tank must have repaire opening.<br>- Supply of Touchproof termination kits of suitable cable size and its termination at site shall be in GIS OEM Scope to avoid any commissioning errors.Also,supervision of commissioning of this GIS shall be in GIS OEM Scope to avoid any hassles and ensure smooth charging of the GIS.<br>- 1 set of 48 V battery and charger of suitable capacity shall be offered for Control supply. - This also including all accessories complete in all respect,includes connectors, Gel earthing and foundation, etc 33 KV, 5 PANEL BOARD as above | 1.000    | Set   | 17790000.00    | 17790000.00  | INR One Crore Seventy Seven Lakh Ninety Thousand Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |                |              |                       |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 13.00          | Supplying, installation, testing & commissioning of Smart HMI Boxa. 1 nos. Smart HMI box hardware having WINDOWS 10 IOT, intel core i5 processor, 8 GB RAM, 64 GB MEMORY, 15.6" touch screen display, Ethernet RJ45, interface: 10BASE-T/100BASE-TX, pre-installed HMI runtime software included.b. 1 no. Application Software which includes IEC 61850 Client/MasterThe Smart HMI interface will allow monitoring of power distribution. The HMI will display the network as an easy-to-follow Single Line Diagram (SLD) that includes current/voltages, switchgear status and visible indication of live parts via dynamic topology coloring. A Bay Visulation, control dialogue box, Chronological Events & Alarms and are visible on the SLD as blinking red indications on the affected bay. All alarms shall be displayed in compliance with IEC 61850.c. 2 nos. Serial to TCP Converter, Modbus RS485 to Modbus TCP/IP or energy meter access and LV ACB monitoring & Control - To be installed and housed inside the respective switchgear of LV Compartmentd. Cat6 cable and other required accessories for successful commissioning- To be installed and supplied from respective switgear upto Smart HMI Box including cables & others accessories complete in all respect.The HMI must include a historical alarm and event list with precise time stamps generated in the protection relays and transmitted in compliance with IEC 61850. |          |       |                |              |                       |
| 13.10          | The historian should include sorting and filters options for event/alarm text, bay, period of time and event/alarm class. The Sub -Station online monitoring system should be able to generate display as per requirement on the following matters: Transformer status like Load, PF, OTI and WTI etc.DC System healthiness of the Sub-Station. (Including Positive and Negative DC voltages).I/O Data with rtd mA inputs.Protection data and Relay configuration.Fault records.DR records.Event Records.Interruption data ( interruption >10 mins - The time interval selection data shall be site configurable ). Energy data like ( kWh, kVA, pf, three phase Voltage and Currents etc.) The interface will allow full control over the switchgear in compliance with IEC 61850 to operators with sufficient credentials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|--------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                          |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                          |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words    |
| 13.20          | Control elements such as switching buttons must only be visible to users with the appropriate authorization levels.DG Set function -Input and Output data also integrateable with the SCADA. The control system must support the "Select before Operate" function of IEC 61850 and the user interface must include two-stage commands. All open/close commands must be fully interlocked with any alarms/trips and in compliance with IEC 61850.All command actions must be protocoled in the eventlist with an indication of the logged-in user account.The control system will fully integrate downstream protection relays via IEC 61850 Ed. 2 over the LAN. This also including all accessories complete in all respect. 33KV RMU, 33KV GIS & Relays and Smart HMI must be for same make for integration , coordination and better life cycle optimization. This also including all accesories complete in all respect. InfraSubstation SCADA as described above for 33KV RMU, 33KV, DG set , GIS & LV ACB in distribution panel as per single line diagram                                                                                                                                                                                                                                                                                                                                                                                                      | 1.000    | Set   | 2100000.00     | 2100000.00   | INR Twenty One Lakh Only |
| 14.00          | Supplying ,installation, testing & commissioning LV cubical type tested Panel suitable for 415 Volt, 3 Phase, 4 wire, 50Hz AC supply system fabricated in compartmentalised design from CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick for gland plates i/c cleaning & finishing complete with 9 tank process for powder coating in approved shade, having 4000 Amps capacity extensible type FP Aluminium Alloy bus bars of high conductivity DMC/SMC bus bar supports, with short circuit with stand capacity of 31 MVA for 1 Sec., bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable section, entire anel shall have a common copper earth bar of suitable size at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with 2.5 sqmm PVC insulated copper conductor single core cable, cable alleys, cable gland plates in two half, i/c providing and fixing following switch gears. Panel should be Designed as per IEC 61439-2.This also including all accessories complete in all respect. ,includes Gel earthing and foundation etc. (i) Incomer from Transformer - 3 Nos. & DG 3 Nos.3200 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDO), |          |       |                |              |                          |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                       |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 14.10          | with RS 485 Port on Modbus protocol along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection,thermal memory and frame earthing contact, conforming to IEC 60947/IS-13947/Part- II/1993 latest version as amended up-to- date complete with following accessories for each ACB. a) Independent electrical and manual spring closing mechanism - 1 No.b) Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all three current, neutral current and Voltage, release should self powered requiring no external power supply, protection against phase unbalance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest version). - 1 set.c)                                                                                                                                                                                                                                                                                                                                                  |          |       |                |              |                       |
| 14.20          | Undervoltage release for each ACB's- 1 Nod) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush pattern with one set of 3 nos. CT's of 4000/5A Class I accuracy and 15 VA burden - 1 Set. e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking of the breaker as reqd. - 1 Setf) Electrical Interlocking - 1 No.g)Over voltage relay -1 Nos.h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.i) 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos.j) 2A SP Control MCB's for proection of control circuit -7 Nos.k) A/M Selector Switch (1P, 2way With Off) -1 Nos.l) 06A DP MCB 10kA -3 Nos.m) 25A Breaker Control Switch -1 Nos.n) CT 4000/5A Class 1 accuracy for APFC relay sensing. - 3 Nos. Only for transformer feeders(i) Incomer from DG - 750KVA 1 Nos.1250 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDO), with RS 485 Port on Modbus protocol along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection,thermal memory and frame earthing contact, conforming to IEC 60947/IS-13947/Part- II/1993 latest version as amended up-to- date complete with following accessories for each a) |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |       |                |              |                                               |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |       |                |              |                                               |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |       |                |              |                                               |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                         |
| 14.30          | Independent electrical and manual spring closing mechanism - 1 No.b) Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all three current, neutral display for % loading of phases. all three current, neutral current and Voltage, release should self powered requiring no external power supply, protection against phase unbalance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest version). - 1 set.c) Undervoltage release for each ACB's- 1 Nod) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush pattern with one set of 3 nos. CT's of 1250/5A Class I accuracy and 15 VA burden - 1 Set. e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking of the breaker as reqd. - 1 Setf) Electrical Interlocking - 1 No.g)Over voltage relay -1 Nos.h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.i) 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos.j) 2A SP Control MCB's for proection of control circuit - 7 Nos.k) A/M Selector Switch (1P, 2way With Off) -1 Nos.l) 06A DP MCB 10kA -3 Nos.m) 25A Breaker Control Switch - 1 Nos. |          |       |                |              |                                               |
| 14.40          | All three DG Sets (2000KVA -2 Nos & 750KVA -1 Nos) should be auto load sharing basis through Synchronising controller of DIEF/Woodward for each DG setsAll Incomer & Bus Coupler should be interlocked with each other as per scheme requirement(ii) BUS COUPLERS - 2 Nos.4000 Amps four pole horizontal drawout type air circuit breaker of fault breaking capacity 50 kA (Ics = Icu = Icw=100% ) for 1 sec .electrically operated (EDO) without release, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators and frame earthing contact, conforming to IEC 60947/IS-13947/Part-II/1993 latest version as amended up-to-date complete with following accessories for each ACB -1 seta) Independent electrical and manual Spring closing mechanism - 1 No.b) Breaker ON,OFF Indicating LED indicating light, test terminal block, circuit wiring as per standard practice, auxiliary contact for positive electrical interlocking of breakers, etc. as reqd.-1 set.c) Under Voltgae release-220 V AC - 1 No.d) Electrical Interlocking - 1 No.e) Aux. Contactor +Add On Block 2no+2nc-3 Nos.f) 6A SP MCB -4 Nos.g) 25A Breaker Control Switch -1 Nos.h) On Delay Timer (240VAC)-2 Nos.i) A/M Selector Switch (1P, 2way with Off) - 1 Nos.(iii) BUS BARS: Due to More than 8000 words not inserted in PMIS                                                                                                                                                                                                                                                                                 | 1.000    | Set   | 8545000.00     | 8545000.00   | INR Eighty Five Lakh Forty Five Thousand Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                       |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 15.00          | "33 KV INDOOR GIS PANEL BOARD Supply , installation, testing and commissioning of indoor type SF6 Insulated 33KV GIS Switchboard having 2 incomer, 2 Transformer Outgoings panels with possibility of future extension at one side,capacity 33 KV, 630 Amp, 3 Phase, 3 wire, 50 Hz, having a rupturing capacity of 31.5 KA for 3 sec, with Circuit breaker enclosed within one SF6 gas filled SS304 grade stainless steel tank of 2.5mm thick and Copper Busbar 630A with 3 position Disconnecter in a seperate gas tank, metal clad , flush front, maintenance free with Electrical and Mechanical interlock. The arc interruption of the switchgear shall be by vaccum interrupters (Should be GIS manufacturer’s own make) , along with three position ON-OFF-EARTH isolation switch in series to connect to busbar. There should not be any gas handling at site installation and furute expansion. Each panel /feeder shall be floor standing type, should have seperate gas tanks, seperate closing & tripping mechanism (Manual & motorized) for VCB, Drive mechanism for 3 position switch (Manual & Motor operated) as per the specification below. " " VCB 630 Amps for Incomer , Outgoing. Vacuum Interrupter Must be suitable for 50 nos Full short circuit breaking operation. - Offered panel musted be type tested for 70KV(RMS) & 170KV(Peak) basic Insulation level. - Resin Cast type CT having Ratio : 200-100A/ 1-1 A Core1: 5P20, 5 VA; Core 2: 0.5, 5 VA (For Incomer, 5P20 will become PS class) - Line VT Ratio: 3KV/1.732/110V/1.732/110V/1.732, -Core 1: 0.5, Core 2: 3P, 50VA ( only for Incomer feeder). |          |       |                |              |                       |
| 15.10          | Line VT should be touchproof type. - Numerical relay (should be VCB manufacturer’s own make) having protections of 50,51, 50N,51N,TCS and control with IEC61850 protocol. - For Incomer Line Differential (87L),59 & 27 functions shall be integral function of Main numerical realy - Aux relay for WTL, OTI, BUCHOLZ alam & Trip (only for outgoing Transformer feeder) - Digital Ammeter with selector switch for each feeder and Digital Voltmeter with selector switch(for Incomer) - Multifunction Meter of Acc Class 0.5, having facility to see KW, KVA, KVAR, PF, KWH, KVARH, KVAH, A,V etc. with modbus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                                    |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                                    |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                                    |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words              |
| 15.20          | protocol - LR & TNC switch, space heater - indication lamp - CB ON/OFF, spring charge, Auto trip, TCS healthy, ISOLATOR ON-OFF-EARTH etc. " "Annunciator (6/8 window) and dynamic simaphore SLD at the front door of the switch -each feeder should have outer cone cable termination facility for cable size up to 1RX3CX300 sq.mm. The cable termination kit must be touchproof screen seperable type. - Complete panels shall be suitable for Internal Arc of 31.5KA for 1 sec with AFLR classification. - 1 nos. Ethernet switch having 10 nos. Port for SCADA purpose in any of the GIS panel. - There must not be any gas handling at site during installation or future addition for the offered GIS. - The offered GIS must be type tested for withstand of mentioned basic insulation level at 1 bar absolute SF6 gas pressure. - Each gas tank must have repaire opening. -Supply of Touchproof termination kits of suitable cable size and its termination at site shall be in GIS OEM Scope to avoid any commissioning errors.Also,supervision of commissioning of this GIS shall be in GIS OEM Scope to avoid any hassles and ensure smooth charging of the GIS. This also including all accessories complete in all respect ,includes connectors, Gel earthing and foundation, etc. - 1 set of 48 V battery and charger of suitable capacity shall be offered for Control supply.                                                                                                                                                                                                                                                       | 1.000    | Set   | 16500000.00    | 16500000.00  | INR One Crore Sixty Five Lakh Only |
| 16.00          | Supplying, installation, testing & commissioning of Smart HMI Box "a. 1 nos. Smart HMI box hardware having WINDOWS10IOT, intel core i5 processor, 8GGB RAM, 64GB MEMORY, 15.6"" touch screen display, Ethernet RJ45, interface: 10BASE-T/100BASE-TX, pre-installed HMI runtime software included. b. 1 no. b. 1 no. Application Software which includes IEC 61850 Client/Master The Smart HMI interface will allow monitoring of power distribution. The HMI will display the network as an easy-to-follow Single Line Diagram (SLD) that includes current/voltages, switchgear status and visible indication of live parts via dynamic topology coloring. A Bay Visulation, control dialogue box, Chronological Events & Alarms and are visible on the SLD as blinking red indications on the affected bay. All alarms shall be displayed in compliance with IEC 61850." "c. 2 nos. Serial to TCP Converter, Modbus RS485 to Modbus TCP/IP or energy meter access and LV ACB monitoring & Control - To be installed and housed inside the respective switchgear of LV. This also including all accessories complete in all respect. " d. Cat6 cable and other required accessories for successful commissioning- To be installed and supplied from respective switgear upto Smart HMI Box including cables & others accessories complete in all respect. "The HMI must include a historical alarm and event list with precise time stamps generated in the protection relays and transmitted in compliance with IEC 61850. The historian should include sorting and filters options for event/alarm text, bay, period of time and event/alarm class. |          |       |                |              |                                    |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|--------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                                            |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                                            |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                      |
| 16.10          | The Sub -Station online monitoring system should be able to generate display as per requirement on the following matters: Transformer status like Load, PF, OTI and WTI etc.DC System healthiness of the Sub-Station. (Including Positive and Negative DC voltages).I/O Data with rtd mA inputs.Protection data and Relay configuration.Fault records.DR records.Event Records.Interruption data ( interruption >10 mins - The time interval selection data shall be site configurable ). Energy data like ( kWh, kVA, pf, three phase Voltage and Currents etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |       |                |              |                                            |
| 16.20          | All command actions must be protocoled in the event list with an indication of the logged-in user account. The control system will fully integrate downstream protection relays via IEC 61850 Ed. 2 over the LAN. 33KV RMU, 33KV GIS, DG Set & Relays and Smart HMI must be for same make for integration , coordination and better life cycle optimization. "Substation SCADA as described above for 33KV RMU, 33KV GIS, DG Set & LV ACB in distribution panel as per single line diagram<br>The interface will allow full control over the switchgear in compliance with IEC 61850 to operators with sufficient credentials. Control elements such as switching buttons must only be visible to users with the appropriate authorization levels. DG Set function -Input and Output data also integrateable with the SCADA. The control system must support the ""Select before Operate"" function of IEC 61850 and the user interface must include two-stage commands. All open/close commands must be fully interlocked with any alarms/trips and in compliance with IEC 61850. |          |       |                |              |                                            |
| 16.30          | All command actions must be protocoled in the event list with an indication of the logged-in user account. The control system will fully integrate downstream protection relays via IEC 61850 Ed. 2 over the LAN. 33KV RMU, 33KV GIS, DG Set & Relays and Smart HMI must be for same make for integration , coordination and better life cycle optimization. "Substation SCADA as described above for 33KV RMU, 33KV GIS, DG Set & LV ACB in distribution panel as per single line diagram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.000    | Set   | 1965000.00     | 1965000.00   | INR Nineteen Lakh Sixty Five Thousand Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 17.00          | Supplying, installation, testing & commissioning LV cubical type tested Panel suitable for 415 Volt, 3 Phase, 4 wire, 50Hz AC supply system fabricated in compartmentalised design from CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick for gland plates i/c cleaning & finishing complete with 9 tank process for powder coating in approved shade, having 4000 Amps capacity extensible type FP Aluminium Alloy bus bars of high conductivity DMC/SMC bus bar supports, with short circuit with stand capacity of 31 MVA for 1 Sec., bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable section, entire panel shall have a common copper earth bar of suitable size at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with 2.5 sqmm PVC insulated copper conductor single core cable, cable alleys, cable gland plates in two half, i/c providing and fixing following switch gears. Panel should be Designed as per IEC 61439-2 and OEM/System house. This also including all accesories complete in all respect ,includes Gel earthing and foundation etc. (i) Incomer from Transformer 1600KVA - 2 Nos. 2500 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDO), with RS 485 Port on Modbus protocol along with |          |       |                |              |                       |
| 17.10          | Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection,thermal memory and frame earthing contact, conforming to IEC 60947/IS-13947/Part- II/1993 latest version as amended up-to- date complete with following accessories for each ACB. a) Independent electrical and manual spring closing mechanism - 1 No. b) Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all three current, neutral current and Voltage, release should self powered requiring no external power supply, protection against phase unbalance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest version)                                                                                                                                                                                                                                                                                                                                                     |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 17.20          | - 1 set. c) Undervoltage release for each ACB's- 1 No d) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush pattern with one set of 3 nos. CT's of 2500/5A Class I accuracy and 15 VA burden - 1 Set. e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking of the breaker as reqd. - 1 Set f) Electrical Interlocking - 1 No. g)Over voltage relay -1 Nos. h) Aux. Contactor + Add On Block 2no+2nc - 3 Nos. i) 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. j) 2A SP Control MCB's for proection of control circuit -7 Nos. k) A/M Selector Switch (1P, 2way With Off) -1 Nos.<br>l) 06A DP MCB 10kA -3 Nos. m) 25A Breaker Control Switch -1 Nos. n) CT 2500/5A Class 1 accuracy for APFC relay sensing. - 3 Nos. Only for transformer feeders (ii) Incomer from DG - 1250KVA 1 Nos. (ii) Incomer from DG - 1250KVA 1 Nos. 2000 Amps 4 pole horizontal drawout type air circuit breaker 433V AC, 50Hz AC opeartion of fault breaking capacity 50 kA (Ics = Icu = Icw =100%) for 1 sec. electrically operated (EDO), with RS 485 Port on Modbus protocol along with Touch Screen Display, fitted with interlocked door, automatic safety shutters, mechanical ON/OFF and service/test/isolated position indicators, zone selective interlocking, ready to close, over tempature protection,thermal memory and frame earthing contact, conforming to IEC 60947/IS-13947/Part- II/1993 latest version as amended up-to- date complete with following accessories for each ACB. a) Independent electrical and manual spring closing mechanism - 1 No. |          |       |                |              |                       |
| 17.30          | b) Microprocessor releases based release for adjustable setting for over current, earth fault & short circuit protection with 4 line LCD (R,Y,B,N) with bar graph display for % loading of phases. all three current, neutral current and Voltage, release should self powered requiring no external power supply, protection against phase unbalance and residual current, over temperature protection with 20 fault history and event history and inbuilt zone selective interlocking in-built thermal memory, 4NO/4NC auxiliary contacts with one trip contact, counting the number of operations and contact wear (ACB Life). confirming to IEC:60947/ IS:13947, Part-II/1993 (latest version). - 1 set. c) Undervoltage release for each ACB's- 1 No d) Digital type Multifunction Meter (IV,KW,KWH,KVA,PF,HZ), 96mm square flush pattern with one set of 3 nos. CT's of 2000/5A Class I accuracy and 15 VA burden - 1 Set.<br>e) Phase indication LED lamps and breaker ON,OFF,TRIP indicating light , test terminal block set, circuit wiring as perstandard practice, auxiliary contacts for positive interlocking of the breaker as reqd. - 1 Set<br>f) Electrical Interlocking - 1 No. g)Over voltage relay -1 Nos.) Aux. Contactor + Add On Block 2no+2nc - 3 Nos.<br>i) 4P high protection 70kA, surge protectors with MPCB for incomer -1 Nos. j) 2A SP Control MCB's for j) 2A SP Control MCB's for proection of control circuit -7 Nos. k) A/M Selector Switch (1P, 2way With Off) -1 Nos.                                                                                                                                                                                                                               |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |                |              |                             |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |       |                |              |                             |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words       |
| 17.40          | l) 06A DP MCB 10kA -3 Nos. m) 25A Breaker Control Switch -1 Nos.<br>(ii) Incomer from DG - 500KVA 1 Nos.<br>Due to more than 8000 words not inserted in PMIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.000    | Set   | 7800000.00     | 7800000.00   | INR Seventy Eight Lakh Only |
| 18.00          | DIESEL ENGINE SETS: Supplying , Installation, testing and commissioning etc. of Silent Type Diesel Generating Set complete with inbuilt starting panel, having prime power rating at NTP condition of 2000 KVA, 3 phase & neutral, 50 c/s. 415 A.C., at 1500 rpm ,0.8 lagging power factor comprising of following Diesel Engine, Alternator, Sound Attenuated Acoustic Enclosure,with suitable AMF Panel, necessary PCC/RCC foundation for erection including earth work, silencer, SS expansion bellow, MS C class Fuel pipe, Ball valve for Fuel pipe complete as required and consisting of the following: with all Necessary components & Foundation for DG & their Exhaust System. This also including all accessories complete in all respect. DIESEL ENGINE: Diesel engine 4 stroke water cooled (radiator cooled) electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 50 Degree C, 50% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour included in 12 hours of continuous operation. The engine will be fitted complete with all the required accessories As following. Engine mounted Instrument Panel fitted with and having digital display for following: Start-Stop switch with push button/ key Water temperature indication Lubrication Oil pressure indication Lubrication Oil temperature indication Battery charging indication RPM indication Over speed indication Engine Hours indication Low lub. oil trip indication Digital electronic governor/digital voltage regulator AmpSentry Protection Battery |          |       |                |              |                             |
| 18.10          | monitoring system & weak battery warning Digital metering for current, voltage, PF, KWH, KVA Alternator protection for under/over voltage, under/over frequency, reverse power, over current. Alternator: Synchronous alternator rated at 2000 KVA, 415 volts at 1500 RPM, 3 phase 50 HZ, AC supply with 0.8 lagging power factor at 50 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty self excited and self-regulated through AVR conforming to IS :4722/BS 2613 suitable for tropical condition and ambient temperature at 50 Degree C and class-H insulation. Auto Start/should be through PCC 3.3 controller/equailent Base Frame & Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary PCC block of 1:1.5:3 ratio of cement concrete of depth of 300 mm with suitable reinforcement which shall be installed on existing hard concrete floor and vibration isolation arrangement as per recommendation of manufacturer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                             |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|---------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                                 |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       |                |              |                                 |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words           |
| 18.20          | Fuel Tank: Daily service fuel tank of 990 liters capacity fabricated out of 3 mm thick MS sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS Class C pipe of suitable dia complete with valves, level indication, flow switch with potential free contacts for giving signal to existing BMS system and accessories as required as per specifications. Exhaust System: Dry exhaust manifold of suitable dia, welded blank MS B Class pipe confirming to IS:3589 cut to required lengths (max. 2 mtrs) and installed with necessary bends, supports and clamps, anti-vibration mountings, insulation of exhaust system with 50mm thick mineral wool/Rockwool, wire mesh and aluminium cladding 0.8 mm thick etc.as required as per specifications with hospital grade exhaust silencer and catalytic convertor. Starting System: 24V DC Starting system comprising of starter motors: Voltage regulator and arrangement for initial excitation complete with 2 nos. of batteries (25 Plates, 180 Amp. Hour capacity dry type maintenance free or as per manufacturer standard. Acoustic Enclosure Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per specifications. The enclosure shall meet the requirement of CPCB norms and fabricated as per the type test approved by CPCB. The firm shall have to furnish the drawings along with the approval of CPCB to the department before inspection. ACB 3200 Amps, 50 KA 4P as outgoing |          |       |                |              |                                 |
| 18.30          | DG set mounted- 1 Nos OEM must have BIS Certificate and, Shall have submit CPCB standards approved lab type test reports before execution as required completein all respect. All as per pre approved by engineer In charge. First filling of the fuel tank shall be done by contractor and preveling fuel cost at the time shall be reimbursed to the contractor by department/client complelte in all respect. Servicing of the DG Set( As per Manufacturer Guideline) during the DLP Period shall be done by contractor including all consumables,actual charge shall be reimbursed to the contractor by department/client complete in all respect.Contactr has to submitt all the approvals of DG Set(CEIG and PCB).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.000    | Set   | 24000000.00    | 48000000.00  | INR Four Crore Eighty Lakh Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |       |                |              |                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |       |                |              |                       |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 19.00          | Supplying , Installation, testing and commissioning of Silent Type Diesel Generating Set complete with inbuilt starting panel, having prime power rating at NTP condition of 750 KVA, 3 phase & neutral, 50 c/s. 415 A.C., at 1500 rpm ,0.8 lagging power factor comprising of following Diesel Engine, Alternator, Sound Attenuated Acoustic Enclosure,with suitable AMF Panel, necessary PCC/RCC foundation for erection including earth work, silencer, SS expansion bellow, MS C class Fuel pipe, Ball valve for Fuel pipe complete as required and consisting of the following: with all Necessary components & Foundation for DG & their Exhaust System. This also including all accessories complete in all respect. DIESEL ENGINE: Diesel engine 4 stroke water cooled (radiator cooled) electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 50 Degree C, 50% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour included in 12 hours of continuous operation. The engine will be fitted complete with all the required accessories as following Engine mounted Instrument Panel fitted with and having digital display for following: Start-Stop switch with push button/ key Water temperature indication Lubrication Oil pressure indication Lubrication Oil temperature indication Battery charging indication RPM indication Over speed indication Engine Hours indication Low lub. oil trip indication Digital electronic governor/digital voltage regulator Battery monitoring system & weak battery warning |          |       |                |              |                       |
| 19.10          | Digital metering for current, voltage, PF, KWH, KVA Alternator protection for under/over voltage, under/over frequency, reverse power, over current.<br>Alternator:<br>Synchronous alternator rated at 750 KVA, 415 volts at 1500 RPM, 3 phase 50 HZ, AC supply with 0.8 lagging power factor at 50 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty self excited and self-regulated through AVR conforming to IS :4722/BS 2613 suitable for tropical condition and ambient temperature at 50 Degree C and class-H insulation. Auto Start/should be through PCC 3.3 controller /equivalent Base Frame & Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary PCC block of 1:1.5:3 ratio of cement concrete of depth of 300 mm with suitable reinforcement which shall be installed on existing hard concrete floor and vibration isolation arrangement as per recommendation of manufacturer. Fuel Tank: Daily service fuel tank of 990 liters capacity fabricated out of 3 mm thick MS sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS Class C pipe of suitable dia complete with valves, level indication, flow switch with potential free contacts for giving signal to existing BMS system and accessories as required as per specifications.                                                                                                                                                                                       |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |       |                |              |                          |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|--------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |       |                |              |                          |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |       |                |              |                          |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words    |
| 19.20          | Exhaust System: Dry exhaust manifold of suitable dia, welded blank MS B Class pipe confirming to IS:3589 cut to required lengths (max. 2 pipe confirming to IS:3589 cut to required lengths (max. 2 mtrs) and installed with necessary bends, supports and clamps, anti-vibration mountings, insulation of exhaust system with 50mm thick mineral wool/Rockwool, wire mesh and aluminium cladding 0.8 mm thick etc.as required as per specifications with hospital grade exhaust silencer and catalytic convertor. Starting System: 24V DC Starting system comprising of starter motors: Voltage regulator and arrangement for initial excitation complete with 2 nos. of batteries (25 Plates, 180 Amp. Hour capacity dry type maintenance free or as per manufacturer standard. Acoustic Enclosure Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per specifications. The enclosure shall meet the requirement of CPCB norms and fabricated as per the type test approved by CPCB. The firm shall have to furnish the drawings along with the approval of CPCB to the department before inspection. ACB 1250 Amps, 50 KA 4P as outgoing DG set mounted- 1 Nos OEM must have BIS Certificate and, Shall have submit CPCB standards approved lab type test reports before execution as required completein all respect. |          |       |                |              |                          |
| 19.30          | All as per pre approved by engineer In charge. First filling of the fuel tank shall be done by contractor and preveling fuel cost at the time shall be reimbursed to the contractor by department/client complelte in all respect. Servicing of the DG Set( As per Manufacturer Guideline) during the DLP Period shall be done by contractor including all consumables,actual charge shall be reimbursed to the contractor by department/client complete in all respect.Contactr has to submitt all the approvals of DG Set(CEIG and PCB).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.000    | Set   | 9600000.00     | 9600000.00   | INR Ninety Six Lakh Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                       |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                       |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 20.00          | DIESEL ENGINE SETS: Supplying , Installation, testing and commissioning of Silent Type Diesel Generating Set complete with inbuilt starting panel, having prime power rating at NTP condition of 1250 KVA, 3 phase & neutral, 50 c/s. 415 A.C., at 1500 rpm ,0.8 lagging power factor comprising of following Diesel Engine, Alternator, Sound Attenuated Acoustic Enclosure,with suitable AMF Panel, necessary PCC/RCC foundation for erection including earth work, silencer, SS expansion bellow, MS C class Fuel pipe, Ball valve for Fuel pipe complete as required and consisting of the following:with all Necessary components & Foundation for DG & their Exhaust System. This also including all accessories complete in all respect. DIESEL ENGINE: Diesel engine 4 stroke water cooled (radiator cooled) electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 50 Degree C, 50% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour included in 12 hours of continuous operation. The engine will be fitted complete with all the required accessories as following Engine mounted Instrument Panel fitted with and having digital display for following: Start-Stop switch with push button/ key Water temperature indication Lubrication Oil pressure indication Lubrication Oil temperature indication Battery charging indication RPM indication Over speed indication Engine Hours indication Low lub. oil trip indication |          |       |                |              |                       |
| 20.10          | Digital electronic governor/digital voltage regulator AmpSentry Protection Battery monitoring system & weak battery warning Digital metering for current, voltage, PF, KWH, KVA Alternator protection for under/over voltage, under/over frequency, reverse power, over current. Alternator: Synchronous alternator rated at 1250 KVA, 415 volts at 1500 RPM, 3 phase 50 HZ, AC supply with 0.8 lagging power factor at 50 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having SPDP enclosure, brushless, continuous duty self excited and self-regulated through AVR conforming to IS :4722/BS 2613 suitable for tropical condition and ambient temperature at 50 Degree C and as per manufacturer’s standard specifications with class H insulation. Auto Start/should be through PCC 3.3 controller Base Frame & Foundation:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-------------------------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |       |                |              |                                     |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words               |
| 20.20          | Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary PCC block of 1:1.5:3 ratio of cement concrete of depth of 300 mm with suitable reinforcement which shall be installed on existing hard concrete floor and vibration isolation arrangement as per recommendation of manufacturer. Fuel Tank: Daily service fuel tank of 990 liters capacity fabricated out of 3 mm thick MS sheet complete with all standard accessories and fuel piping between fuel tank and diesel engine with MS Class C pipe of suitable dia complete with valves, level indication, flow switch with potential free contacts for giving signal to existing BMS system and accessories as required as per specifications. Exhaust System:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |       |                |              |                                     |
| 20.30          | Dry exhaust manifold of suitable dia, welded blank MS B Class pipe confirming to IS:3589 cut to required lengths (max. 2 mtrs) and installed with necessary bends, supports and clamps, anti-vibration mountings, insulation of exhaust system with 50mm thick mineral wool/Rockwool, wire mesh and aluminium cladding 0.8 mm thick etc.as required as per specifications with hospital grade exhaust silencer and catalytic convertor. Starting System: 24V DC Starting system comprising of starter motors: Voltage regulator and arrangement for initial excitation complete with 2 nos. of batteries (25 Plates, 180 Amp. Hour capacity dry type maintenance free or as per manufacturer standard. Acoustic Enclosure Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per specifications. The enclosure shall meet the requirement of CPCB norms and fabricated as per the type test approved by CPCB. The firm shall have to furnish the drawings along with the approval of CPCB to the department before inspection. ACB 3200 Amps, 50 KA 4P as outgoing DG set mounted- 1 Nos OEM must have BIS Certificate and, Shall have submit CPCB standards approved lab type test reports before execution as required completein all respect. All as per pre approved by engineer In charge. First filling of the fuel tank shall be done by contractor and preveling fuel cost at the time shall be reimbursed to the contractor by department/client complelte in all respect. Servicing of the DG Set( As per Manufacturer Guideline) during the DLP Period shall be done by contractor including all consumables,actual charge shall be reimbursed to the contractor by department/client complelte in all respect.Contactor has to submitt all the approvals of DG Set(CEIG and PCB). | 1.000    | Set   | 14300000.00    | 14300000.00  | INR One Crore Forty Three Lakh Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                       |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|-----------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       |                |              |                       |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 21.00          | Supplying , Installation, testing and commissioning of Silent Type Diesel Generating Set complete with inbuilt starting panel, having prime power rating at NTP condition of 500 KVA, 3 phase & neutral, 50 c/s. 415 A.C., at 1500 rpm ,0.8 lagging power factor comprising of following Diesel Engine, Alternator, Sound Attenuated Acoustic Enclosure,with suitable AMF Panel, necessary PCC/RCC foundation for erection including earth work, silencer, SS expansion bellow, MS C class Fuel pipe, Ball valve for Fuel pipe complete as required and consisting of the following: with all Necessary components & Foundation for DG & their Exhaust System. This also including all accessories complete in all respect. DIESEL ENGINE: Diesel engine 4 stroke water cooled (radiator cooled) electric start, of suitable BHP at 1500 RPM suitable for above output of alternator at 50 Degree C, 50% RH & at 1000 Meter MSL and conforming to BS 5514, BS 649, IS 10000, capable of taking 10% over loading for one hour included in 12 hours of continuous operation. The engine will be fitted complete with all the required accessories as following Engine mounted Instrument Panel fitted with and having digital display for following: Start-Stop switch with push button/ key                                                                                                                                                                                                                                                                                                         |          |       |                |              |                       |
| 21.10          | Water temperature indication Lubrication Oil pressure indication Lubrication Oil temperature indication Battery charging indication RPM indication Over speed indication Engine Hours indication Low lub. oil trip indication Digital electronic governor/digital voltage regulator Battery monitoring system & weak battery warning Digital metering for current, voltage, PF, KWH, KVA Alternator protection for under/over voltage, under Alternator protection for under/over voltage, under/over frequency, reverse power, over current. Alternator: Synchronous alternator rated at 500 KVA, 415 volts at 1500 RPM, 3 phase 50 HZ, AC supply with 0.8 lagging power factor at 50 Degree C, 50% RH & at 1000 Meter MSL. The alternator shall be having SPD enclosure, brushless, continuous duty self excited and self-regulated through AVR conforming to IS :4722/BS 2613 suitable for tropical condition and ambient temperature at 50 Degree C and class-H insulation. Auto Start/should be through PCC 3.3 controller /equivalent Base Frame & Foundation: Both the engine and alternator shall be mounted on suitable base frame made of MS channel with necessary PCC block of 1:1.5:3 ratio of cement concrete of depth of 300 mm with suitable reinforcement which shall be installed on existing hard concrete floor and vibration isolation arrangement as per recommendation of manufacturer. Fuel Tank: Daily service fuel tank of 990 liters capacity fabricated out of 3 mm thick MS sheet complete with all standard accessories and fuel piping between fuel tank and diesel |          |       |                |              |                       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |        |                |              |                                          |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|----------------|--------------|------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |        |                |              |                                          |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |        |                |              |                                          |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quantity | Units  | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                    |
| 21.20          | engine with MS Class C pipe of suitable dia complete with valves, level indication, flow switch with potential free contacts for giving signal to existing BMS system and accessories as required as per specifications. Exhaust System:<br>Dry exhaust manifold of suitable dia, welded blank MS B Class pipe confirming to IS:3589 cut to required lengths (max. 2 mtrs) and installed with necessary bends, supports and clamps, anti-vibration mountings, insulation of exhaust system with 50mm thick mineral wool/Rockwool, wire mesh and aluminium cladding 0.8 mm thick etc.as required as per specifications with hospital grade exhaust silencer and catalytic convertor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |        |                |              |                                          |
| 21.30          | Starting System: 24V DC Starting system comprising of starter motors: Voltage regulator and arrangement for initial excitation complete with 2 nos. of batteries (25 Plates, 180 Amp. Hour capacity dry type maintenance free or as per manufacturer standard. Acoustic Enclosure Acoustic and weather proof enclosure with arrangement for fresh air intake for cooling of the engine & alternator, extraction, discharging hot air in to the atmosphere as per specifications. The enclosure shall meet the requirement of CPCB norms and fabricated as per the type test approved by CPCB. The firm shall have to furnish the drawings along with the approval of CPCB to the department before inspection. ACB 800 Amps, 50 KA 4P as outgoing DG set mounted- 1 Nos OEM must have BIS Certificate and, Shall have submit CPCB standards approved lab type test reports before execution as required completein all respect. All as per pre approved by engineer In charge. First filling of the fuel tank shall be done by contractor and preveling fuel cost at the time shall be reimbursed to the contractor by department/client complelte in all respect. Servicing of the DG Set( As per Manufacturer Guideline) during the DLP Period shall be done by contractor including all consumables,actual charge shall be reimbursed to the contractor by department/client complelte in all respect.Contactr has to submitt all the approvals of DG Set(CEIG and PCB). | 1.000    | Set    | 6350000.00     | 6350000.00   | INR Sixty Three Lakh Fifty Thousand Only |
| 22.00          | Supply & Fixing of 450 NB 5 mm Thick with 75 mm Rockwool Insulation. This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 80.000   | R.Mtr. | 30000.00       | 2400000.00   | INR Twenty Four Lakh Only                |
| 23.00          | Supply & Fixing of 400 NB 5 mm Thick with 75 mm Rockwool Insulation. This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50.000   | R.Mtr. | 27000.00       | 1350000.00   | INR Thirteen Lakh Fifty Thousand Only    |
| 24.00          | Supply & Fixing of 300 NB 5 mm Thick with 75 mm Rockwool Insulation.This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.000   | R.Mtr. | 15000.00       | 750000.00    | INR Seven Lakh Fifty Thousand Only       |
| 25.00          | Supply & Fixing of 250 NB 5 mm Thick with 75 mm Rockwoo Insulation.This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50.000   | R.Mtr. | 13000.00       | 650000.00    | INR Six Lakh Fifty Thousand Only         |
| 26.00          | Supply & Fixing of 350 NB 5 mm Thick with 75 mm Rockwool Insulation.This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.000   | R.Mtr. | 17000.00       | 850000.00    | INR Eight Lakh Fifty Thousand Only       |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |        |                |              |                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|----------------|--------------|------------------------------------------------------|
| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |        |                |              |                                                      |
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |        |                |              |                                                      |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quantity  | Units  | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                |
| 27.00          | Supply & Fixing of 200 NB 5 mm Thick with 75 mm Rockwool Insulation.This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50.000    | R.Mtr. | 10000.00       | 500000.00    | INR Five Lakh Only                                   |
| 28.00          | Supply & Fixing of MS Support Structure for Exhaust pipe.This also including welding,riverting & jointing with all accessories complete in all respect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 38000.000 | Kg     | 180.00         | 6840000.00   | INR Sixty Eight Lakh Forty Thousand Only             |
| 29.00          | Supply & fixing of Lighting protection System complete with Aviation light (Supply will be connected from, Client’s Panel 24x7) , Lightening Mast, Earthing Pit, Strip, & Down conductor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.000     | Set    | 255000.00      | 510000.00    | INR Five Lakh Ten Thousand Only                      |
| 30.00          | Supply & fixing of Insulation of Silencers with 75 mm Rockwool Insulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12.000    | Set    | 32000.00       | 384000.00    | INR Three Lakh Eighty Four Thousand Only             |
| 31.00          | TRANSFORMER WORK "TRANSFORMER WORK Design, Supplying,assembling, Installation, Testing & Commissioning of 2000 KVA for stepping down 33KV to 0.433 KV DYN-11 Copper Wounded AN Cooling Cast Resin Dry Type Outdoor Transformer ( IP-44) with Off load tap links of -5% to +5% @ 2.5% with WTI(winding temperature indicator) scanner,Class of Insulation: H, Temperature rise limits 115 deg.C over an ambient of 40 degrees. Losses shall be as per latest ECBC code i.e. Total Loss @50% Load : 9.5016 KW ( Max.) & Total Losses @100% Load: 22.898 KW (Max.) with WTI scanner .The transformer shall be weather proof HT cable box suitable for 1 no. 3cx240 sqmm HT XLPE cable . & LT cable box suitable for 3 nos. 3.5cx300 sqmm HT XLPE cable The transformer shall have suitable disconnecting chamber at the ends with min 8mm thick non-magnetic gland plate , including M. S. channel ,Earthing and suitable size foundation complete with earth terminals / lifting lugs and other standard accessories as required, as per relevant IS to successfully test & commission the transformer. (The above transformer shall have losses and efficiency level as per ECBC 2017).This also including all accessories complete in all respect All the factory acceptance test shall be carried out in an inhouse NABL approved lab for Dry Type Transformers as per ISO / IEC 17025-2005 / latest standard. Special test as per IEC 60076-11: E2-C2-F1 Certificate to be submitte. Prime grade of CRGO to be used & following supportive documents to be submitted: 1 CRGO Mother coil should be used 2. PRIME CORE should have been mentioned on the bill of entry from supplier 3 Bill of lading / Invoice proof to be submitted for verification 4. CRGO core slitting and cutting to be witnessed during stage inspection. " TRANSFORMERS as above | 3.000     | Set    | 6538000.00     | 19614000.00  | INR One Crore Ninety Six Lakh Fourteen Thousand Only |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur****Contract No: EE (Elect-I)/13/2023-24**

| Bidder Name :  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------------|--------------|--------------------------------|
| PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |       |                |              |                                |
| Sl. No.        | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words          |
| 32.00          | TRANSFORMER WORK "TRANSFORMER WORK Design, Supplying,assembling, Installation, Testing & Commissioning of 1600 KVA for stepping down 33KV to 0.433 KV DYN-11 Copper Wounded AN Cooling Cast Resin Dry Type Outdoor Transformer (IP-44) with Off load tap links of -5% to +5% @ 2.5% with WTI(Winding temperature Indicator) scanner,Class of Insulation: H, Temperature rise limits 115 deg.C over an ambient of 40 degrees. Losses shall be as per latest ECBC code i.e. Total Loss @50% Load : 8.025 KW ( Max.) & Total Losses @100% Load: 19.26 KW (Max.) with WTI scanner .The transformer shall be weather proof HT cable box suitable for 1 no. 3cx240 sqmm HT XLPE cable . & LT cable box suitable for 3 nos. 3.5cx300 sqmm HT XLPE cable The transformer shall have suitable disconnecting chamber at the ends with min 8mm thick non-magnetic gland plate , including M. S. channel, Earthing and suitable size foundation complete with earth terminals / lifting lugs and other standard accessories as required, as per relevant IS to successfully test & commission the transformer. (The above transformer shall have losses and efficiency level as per ECBC 2017) This also including all accessories complete in all respect. All the factory acceptance test shall be carried out in an inhouse NABL approved lab for Dry Type Transformers as per ISO / IEC 17025-2005 / latest standard. Special test as per IEC 60076-11: E2-C2-F1 Certificate to be submitte. Prime grade of CRGO to be used & following supportive documents to be submitted: 1 CRGO Mother coil should be used 2 PRIME CORE should have been mentioned on the bill of entry from supplier 3 Bill of lading / Invoice proof to be submitted for verification 4 CRGO core slitting and cutting to be witnessed during stage inspection "TRANSFORMERS as above | 2.000    | Set   | 6000000.00     | 12000000.00  | INR One Crore Twenty Lakh Only |
| 33.00          | Sandwich Type Bus Duct Outdoor Duty IP-66 Outdoor type SITC of following capacity IK10 Sandwich Type Rising Mains / Bus Duct Confirming to IEC 61439 part 1 & part 6 standard & IS 8623 P-II and Manufactured in India for use on 3 phase 4 wire , 50% internal earth , 415 volts, 50Hz A.C. supply , class F insulation, rated insulation voltage 1000V, impulse withstand voltage 12 KV, min. seismic zone 4 as per IS1892, with IP-54 / IP-66 (With Canopy) enclosure made of 1.6mm thick sheet steel duly powder coated in convenient sections complete with 4 Nos aluminium (with 6101 or 63401 grade) bus bars, necessary joints & expansion joints, fire barrier at each floor, provision of tapping at every metre, continuous earthing with 2 Nos aluminium strip of suitable size (one on each side) including, G.I. clamping brackets, angle iron bracket, steel fasteners, connecting to earthing system including making opening in RCC / Brick Masonary and repairing the same etc. as required. Type Tests reports like (i) Short Circuit Test (ii) Degree of Protection (iii) Temperature rise test of Rising main in CPRI / UL / ASTA accredited lab will be submitted by OEM. Routine test as per OEM's QAP in It's own Manufacturing facility in India shall be witnessed by department Engineer virtually / Physically. Complete Installation of Rising Mains shall be Vetted by Manufacturer before Comissioning. All as per pre approved by Engineer in charge.                                                                                                                                                                                                                                                                                                                                                                |          |       |                |              |                                |
| 33.10          | 4000 Amps 120kA SC for 1 sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 125.000  | Mtr   | 84000.00       | 10500000.00  | INR One Crore Five Lakh Only   |

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

**Name of Work : Electrification (SITC of 33/0.4 KV GIS Sub-station, DG Set & Bus trunking etc.) of IPD Tower and Institute of Cardio Vascular Science building at SMS Hospital, Jaipur**

**Contract No: EE (Elect-I)/13/2023-24**

|                        |                              |               |        |                |              |                                                                                                       |
|------------------------|------------------------------|---------------|--------|----------------|--------------|-------------------------------------------------------------------------------------------------------|
| Bidder Name :          |                              |               |        |                |              |                                                                                                       |
| PRICE SCHEDULE         |                              |               |        |                |              |                                                                                                       |
| Sl. No.                | Item Description             | Quantity      | Units  | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words                                                                                 |
| 33.20                  | 3200 Amps 120kA SC for 1 sec | 50.000        | Mtr    | 66000.00       | 3300000.00   | INR Thirty Three Lakh Only                                                                            |
| 33.30                  | 2000 Amps 80kA SC for 1 sec  | 25.000        | Mtr    | 43000.00       | 1075000.00   | INR Ten Lakh Seventy Five Thousand Only                                                               |
| Total in Figures       |                              |               |        |                | 216012322.24 | INR Twenty One Crore Sixty Lakh Twelve Thousand Three Hundred & Twenty Two and Paise Twenty Four Only |
| Quoted Rate in Figures |                              |               | Select |                | 0.00         | INR Zero Only                                                                                         |
| Quoted Rate in Words   |                              | INR Zero Only |        |                |              |                                                                                                       |