

# जयपुर विकास प्राधिकरण, जयपुर

कमरा नं. 135, प्रथम तल, मुख्य भवन, रामकिशोर व्यास भवन, इन्दिरा सर्किल जवाहर लाल नेहरू मार्ग, जयपुर-302004

दूरभाष : + 91-141-2569696, ई-मेल : ee.electrical04.jda@rajasthan.gov.in

क्रमांक: जविप्रा/अधि.अभि. (विद्युत-चतुर्थ)/जॉब नं. 371/2025-26/डी- दिनांक:

## निविदा सूचना

**निविदा सूचना: जविप्रा/01/2025-26**

जयपुर विकास प्राधिकरण द्वारा “Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I)” जिसकी अनुमानित लागत राशि रु. 635.60 लाख के लिए ऑनलाईन बिड्स दिनांक 28.04.2025 को सायं 6:00 बजे तक आमन्त्रित की जाती है। निविदा बोली का ऑनलाईन आवेदन व भुगतान जविप्रा पोर्टल पर करने की अन्तिम तिथि. 28.04.2025 को सायं 6.00 बजे तक है। 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-चतुर्थ)  
जविप्रा, जयपुर।

# JAIPUR DEVELOPMENT AUTHORITY

कमरा नं. 135, प्रथम तल, मुख्य भवन, रामकिशोर व्यास भवन, इन्दिरा सर्किल जवाहर लाल नेहरू मार्ग, जयपुर-302004

दूरभाष : + 91-141-2569696, ई-मेल : ee.electrical02.jda@rajasthan.gov.in

No:- JDA/EE-(Elect.-IV)/Job No. 371/2025-26/D- Dated:

NOTICE INVITING BID

NIB No.: **01/2025-26**

UBN No.: .....

Online Bids are invited up-to 6:00 PM of 28.04.2025 for **“Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I)”**. The last date for Applying Bid and making online payment on JDA portal is up-to 6:00 PM of 28.05.2025 The estimated cost of NIB is Rs. 635.60 Lacs. Details may be seen in the Bidding Document at our office or the 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/jda](http://www.jda.urban.rajasthan.gov.in/jda)

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.-IV)  
JDA, Jaipur

## **OFFICE OF THE JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

<b>NIB No.- 01/2025-26</b>	
<b>Name &amp; Address of the Procuring Entity</b>	<ul style="list-style-type: none"> <li>➤ Name: Executive Engineer (Elect.-IV), Jaipur Development Authority</li> <li>➤ Address: Room No. 135 First Floor, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302004</li> <li>➤ ee.electrical04.jda@rajasthan.gov.in</li> </ul>
<b>Name of work</b>	➤ Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I).
<b>Bid Procedure</b>	Post Assessment Method (Two Part Envelop), open comparative. ➤ e-Bid procedure at <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
<b>Bid Evaluation Criteria (Selection Method)</b>	➤ Post Assessment 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.eproc.rajasthan.gov.in">www.eproc.rajasthan.gov.in</a> , <a href="http://www.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</a>
<b>Estimated Procurement Cost</b>	➤ <b>INR 635.60 Lakhs</b> (Rs. Six Hundred Thirty-Five Lacs Sixty Thousand only)
<b>Website for online Bid application and payment *</b>	<ul style="list-style-type: none"> <li>➤ Website: <a href="http://www.jda.urban.rajasthan.gov.in">www.jda.urban.rajasthan.gov.in</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 and Bid Security Deposit, online only. <ul style="list-style-type: none"> <li>○ Bidding document fee: Rs. 2000/- (Rupees Two Thousand only)</li> <li>○ RISL Processing Fee: Rs. 2500/- (Rupees Two Thousand Five Hundred only)</li> <li>○ Requisite Bid Security Deposit.</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> </li> </ul>
<b>Bid Security Deposit (in favor of Secretary, JDA, Jaipur)</b>	<ul style="list-style-type: none"> <li>➤ Amount (INR: 2% (Rs. 1271200/-) 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 % (Rs. 317800/-) 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> <li>➤ If a joint Venture is allowed in the Bid then 2% shall be deposited by bidders (Joint Venture firm)</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: 07.04.2025 at 09:30 AM onwards</li> <li>➤ End Date: 28.04.2025 at 06:00 PM</li> <li>➤ In case EMD in form BG Original Bank Guarantee is to be submitted in Room No 135, First Floor, Main Building, Jaipur Development Authority, JLN Marg, Jaipur by 30.04.2025 to 2.05.2025 from 9.30 AM to 2.05.2025 up to 3.30 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: 07.04.2025 at 09:30 AM onwards</li> <li>➤ End Date: 28.04.2025 at 06:00 PM</li> </ul>

<b>Date/Time/Place of pre-Bid</b>	➤ N/A
<b>Date/ Time/ Place of Technical Bid Opening</b>	➤ 5.05.2025
<b>Date/ Time/ Place of Financial Bid Opening</b>	➤ to be intimated Later ➤ Room No 135, First Floor, Main Building, Jaipur Development Authority, JLN Marg, Jaipur
<b>Bid Validity</b>	➤ 120 days from the bid submission deadline
<b>Time Period</b>	➤ <b>6 (Six) Months</b>
<b>A&amp;F/Job No.</b>	➤ <b>Job. No. 371/2024-25</b>

#### **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 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.

##### **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 alongwith copy of GST registration, signed Annexure “B” and copy of enlistment as contractor/ bidder in required category. 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

## **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 through 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.-IV)  
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 Bidding 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 for participate in the bid. Contractors enlisted in other departments shall be as per provision of PWF&AR

**EXECUTIVE ENGINEER (Elect.-IV)**  
**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 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 civil 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 civil 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> Maintenance as and when required. Repainting <b>once in everyone &amp; a half year.</b> <b>Ordinary Paint</b> 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**

<div>% Recovery on withdrawal of DLP of work order</div> <div>DLP period</div>	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/civil maintenance works costing more than Rs. 25.00Lakhs, defect liability period will as per clause 37(C) of Contract Agreement.

**EXECUTIVE ENGINEER (Elect.-IV)**  
**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.....J

**DA 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;

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 \_\_\_\_\_(herein 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\_\_\_\_\_.

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.]

**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 **Executive Engineer (Elect. -II)** 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 above Rs. 300.00Lakhs - Executive Committee, JDA, Jaipur.

The designation and address of the Second Appellate Authority: .....

For works costing above Rs. 300.00Lakhs - 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: -

<p><b>A*Process for Tender Participation &amp; Depositing Payment on ‘Online Tender Participation’ Portal of JDA</b></p> <p><b>1-Participate in tender</b></p> <ol style="list-style-type: none"> <li>Bidder can access ‘Online Tender Participation’ Portal of JDA at <a href="https://jda.urban.rajasthan.gov.in/jda">https://jda.urban.rajasthan.gov.in/jda</a> or by Single-Sign-On at <a href="http://service.jaipurjda.org">http://service.jaipurjda.org</a>.</li> <li>Create user Login with a valid mobile number to register yourself for various Online Services of JDA.</li> <li>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).</li> <li>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 &amp; 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.</li> <li>After receiving the payment successfully and approving KYC documents the bidder will be authenticated by JDA for taking part in Tender.</li> </ol> <p><b>2-Deposit Tender Fee, RISL processing fee and Bid Security (EMD)</b></p> <ul style="list-style-type: none"> <li><b>Option-1:</b> 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 &amp; time of bid participation.</li> <li><b>Option-2:</b> 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.</li> </ul> <p><b>3-Deposit Bid Security (EMD)</b> 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.</p> <p><b>4-Obtain Bid Participation Receipt</b> 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.</p> <ul style="list-style-type: none"> <li>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.</li> <li>In case complete payment is done through Payment Gateway, on successful transaction the ‘Bid Participation Receipt’ will be generated on real time basis.</li> <li>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.</li> </ul> <p><b>B-**Bid Submission on ‘e-Procurement Portal’ of Government of Rajasthan</b></p> <ol style="list-style-type: none"> <li>Online e-Bid can be submitted after registration at e-Procurement Portal of Government of Rajasthan <a href="http://www.eproc.rajasthan.gov.in">www.eproc.rajasthan.gov.in</a></li> </ol>
---

- 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).

# JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

## SPECIAL CONDITION OF THE CONTRACT FOR POST QUALIFICATION OF CONTRACTORS

**Name of work:- Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I).**

Special conditions of contract of POST 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 POST QUALIFICATION would be as follow:

- (a) Two-envelope (docket) system would be adopted, for POST 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 in required category. **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 form of online deposition or in form of Bank Guarantee.
- (c) The Technical Bid envelope would be opened on the date.....at.....pm in the chamber of Superintending Engineer.....
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the POST QUALIFICATION CRITERIA.

### 2. Criteria:

Criteria for POST QUALIFICATION would be as follows:-

- (a) The bidder should have executed following quantities of work in any one financial year of the last seven financial years. However, the bidder may opt current year in the said financial assessment period.

S.No.	Items	Quantities
	Major items of schedule "G" as decided by Director (Engineering)/OIC(Engineering.)	50%
Items		Required Qty.
1	HT Cables	7800 Mtr.
2	Lattice Tower	80 Nos.
3	Panther/ACSR conductor	25730 Mtr.
4	SITC of 33/11 KV Grid Sub-station	1 Nos.

**Note:-**

- (i) **The Bidder should enclose the certificate having quantities financial year wise otherwise the certificate will not be considered.**
  - (ii) **Quantities of all the items mentioned in criteria 2(a) should be executed in one financial year.**
  - (iii) **Certificate issued by the 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 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 (Rs. 635.60 Lacs) updated to present price level.

**Note:-**

- (i) The starting & completion date of the work is to be in between above said financial year. If no then maximum work (70%) of work mentioned in certificate submitted is to be completed in above said financial years. The bidders should have to enclose the proper bifurcated certificate accordingly otherwise the certificate will not be considered.
  - (ii) In case; if single work selected by the bidder, is of mix in nature having different components; then a proper bifurcated completion certificate showing the required similar nature component, should be enclosed.
- 2(C) The bidder should have achieved an annual financial turnover of at least 60% of the estimated cost of work (Rs. 635.60 Lacs) in any one of the seven five 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:



**bid capacity= (AxNx3-B)**

- Where A= Maximum value of civil engineering work executed in any one year during the last 7 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 five 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.....
- 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 Civil 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 seven 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 weight age 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. 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 civil 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. 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 VII 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. 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) he 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.-IV)  
JAIPUR DEVELOPMENT AUTHORITY  
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:

**SCHEDULE-II**

**(Reference clause 3(b))**

**DETAILS OF QUANTITIES OF WORKS EXECUTED DURING LAST  
SEVEN FINANCIAL YEARS**

Attested photo of the  
bidder

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

Note:-1. Certificates from concerned Engineers-in-charge should be enclosed in support and verification of the above statement.

1. The details of quantities of each work should be bifurcated Financial Year wise if completion period falls in more than one Financial Year.

Date:

**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. No.	Name of Machinery	Minimum Requirement	Availability	
			Owned	Leased
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

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.

**SCHEDULE-IV**

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

**DETAILS OF MAXIMUM VALUE OF CIVIL WORKS EXECUTED IN ANY ONE YEAR DURING LAST SEVEN YEARS.**

<b>FINANCIAL YEAR IN LAST SEVEN YEARS</b>	<b>COST OF WORK EXECUTED IN FINANCIAL YEAR</b>

## SCHEDULE-V

(Reference clause 3(f))

### DETAILS OF EXISTING COMMITMENTS & ON GOING WOERKS TO BE COMPLETED

S. No.	Name of Works (with agreement No. & Date)	Client	Cost of work as per Work Order	Stipulated date of commencement	Stipulated date of completion	Value of balance work on date of tender	Likely date of completion of balance work

## 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



## SCHEDULE-VII

(Reference clause 3(h))

### **BID CAPACITY**

1.	A= Maximum value of civil 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 the present price level of existing Commitments and on going 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

**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 2. Proof of bidding document cost deposition 3. Proof of RISL fees deposition.					
4	The bidder should have executed following quantities of work in any one financial year of the last seven financial years. However the bidder may opt current year in the said financial assessment period. (Schedule-II).					
	a.					
	b.					
	c.					
5	The bidder should have completed at least one similar nature work in last seven financial year (including current year, if opted by the bidder) of value not less than .....% 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 Rs. ....% Lacs 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) Here A is Maximum value of civil 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 furnished by bidder in Annexure-I					
10	Schedule-VI (Details of Litigation).					
11	Signed Annexure "B"(RTP Act/Rules)					

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

## **Self Declaration**

Attested photo of the  
bidder

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 is 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.



## **JAIPUR DEVELOPMENT AUTHORITY**

**Name of Work:-** Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I).

### **Financial Bid**

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

**JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

## **JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**

**Name of Work:- Construction of 33/11 KV GSS with charging Feeder and partially electrification work of JDA Scheme Knowledge City, Village Chittora, JDA, Jaipur (Phase-I)**

### **CONTENTS OF BIDDING DOCUMENT**

<b>S. No.</b>	<b>Details</b>	<b>Page No.</b>
1.	Schedule And Specifications	
2.	Special Condition for Post Assessment	
3.	Special condition of contract	
4.	Special Terms & Conditions for Electrification work	
5.	Inspection and testing	
6.	Minimum Safety rules	
7.	Erection testing and commissioning	
8.	Annexure-A	
9.	Annexure-B	
10.	Annexure-C	
11.	Annexure-D	
12.	Memorandum of Appeal	
13.	Special conditions of contract regarding DLP (Annexure-1)	

## **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 through 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.-IV)  
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 GUARNTTEE**

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-IV)  
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.
04. 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.
05. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
06. 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.
07. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
08. 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 Bidding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
09. 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

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

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

## JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

### Special Terms & Conditions for Electrification work.

The Contractor has to give the performance guarantee of the following materials for the period mentioned against them from the date of completion of work:

(a)	Transformers	30 Months
(b)	All types of Insulators	18 Months
(c)	ACSR Conductors	6 Months
(d)	Isolators	6 Months
(e)	Horn gap fuse set	6 Months
(f)	LT Pillar Box	6 Months
(g)	All types of HT/LT cables	18 Months

1. DLP period for various type of above works will now be governed by Director (Engineering-I) office order no. 29 dated 11.03.2016 (Copy Enclosed named by DLP period)
2. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan and take the certificate from the Electrical Inspector, Govt. of Rajasthan/Chartered Electrical Safety Engineer. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority after successful Charging of the system.
3. The Contractor has to arrange the testing of cables, RMU, Poles, Wires, testing of LED Lights i.e. LM 79/80, Street light Poles and any other tests desired by Engineer-in-charge. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority after successful testing of the material.
4. The contractor has to arrange the test i.e. UL test for LED lights, CTL test for cables/wire, Pole testing and other test are required by engineer in-charge and sampling of material. He will have to deposit the necessary fees, which shall be reimbursed by JDA.
5. 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.
6. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL/PWD/JNN and system is charged.
7. Inspection shall be bear by the contractor itself.
8. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL.
9. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
10. 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.
11. **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.**
12. 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.-IV)  
JDA, Jaipur

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

Signature & Seal of the Contractor

### **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-IV)  
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-IV)**  
**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 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 activities 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)	
		Part-III Aluminium conductor, Aluminium steel reinforced (second 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-3427/IS:10118 (Part-III) – 1982/ IS:2165-1977/ IS:3716-1976/ IEC-62271-100/ IEC-62271-200	Circuit Breaker/ metal enclosed 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-IV)**

**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. 300.00Lakhs - Jaipur Development Commissioner, JDA, Jaipur.

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

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

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

For works costing above Rs. 300.00Lakhs - 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.

**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).

**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. 10.00 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 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/drainage, 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> Maintenance as and when required. Repainting <b>once in everyone &amp; a half year.</b> <b>Ordinary Paint</b> 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.	DLP Released PS 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  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. 25.00Lakhs, defect liability period will as per clause 37(C) of Contract Agreement.

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

**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : Construction of 33/11 KV GSS with charging feeder and partially electrification works of JDA Scheme Knowledge City, Village-Chittora, JDA, Jaipur. (Phase-I)****Contract No: EE (Elect-IV)/01/2025-26**Name of the  
Bidder/ Bidding  
Firm / Company :**PRICE SCHEDULE****(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )**

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	<b>PART 'A'- 33/11 KV GSS Work</b>					
	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper 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, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					
	2 core 2.5 Sqmm	500.000	Mtr	97.60	48800.00	INR Forty Eight Thousand Eight Hundred Only
	12 core 2.5 Sqmm	600.000	Mtr	284.80	170880.00	INR One Lakh Seventy Thousand Eight Hundred & Eighty Only
	4 core 4 Sqmm	480.000	Mtr	234.40	112512.00	INR One Lakh Twelve Thousand Five Hundred & Twelve Only
	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.					
	3 core 185.0 Sq.mm	650.000	Mtr	1012.80	658320.00	INR Six Lakh Fifty Eight Thousand Three Hundred & Twenty Only
	3 core 300.0 Sq.mm	200.000	Mtr	1359.20	271840.00	INR Two Lakh Seventy One Thousand Eight Hundred & Forty Only
	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 .					
	11 KV End Termination Kit Indoor type					
	3 core 120/150/185/225 Sq.mm	8.000	Per Set	4000.00	32000.00	INR Thirty Two Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	3 core 240/300 Sq.mm	8.000	Per set	4360.00	34880.00	INR Thirty Four Thousand Eight Hundred & Eighty Only
	11 KV End Termination Kit Outdoor type					
	3 core 120/150/185/225 Sq.mm	20.000	Per set	5200.00	104000.00	INR One Lakh Four Thousand Only
	3 core 240/300 Sq.mm	10.000	Per set	5600.00	56000.00	INR Fifty Six Thousand Only
	33 KV End Termination Kit Outdoor type					
	3 core 240/400 Sq.mm	2.000	Per set	8085.12	16170.24	INR Sixteen Thousand One Hundred & Seventy and Paise Twenty Four Only
	33 KV Straight Through Joint Kit					
	3 core 240/400 Sq.mm	4.000	Per set	24229.44	96917.76	INR Ninety Six Thousand Nine Hundred & Seventeen and Paise Seventy Six Only
	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.					
	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	24.000	Per Set	10390.40	249369.60	INR Two Lakh Forty Nine Thousand Three Hundred & Sixty Nine and Paise Sixty Only
	Supply and installation of spike of M.S. rod 20mm dia 3.0mtr. long for earthing of (tower/pole) drive into earth by mechanical means sturcture connection the spike with cross arm top hamper PCC pole, lattics tower to earth etc. complete as per technical specification of DISCOM	50.000	Per Set	520.00	26000.00	INR Twenty Six Thousand Only
	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.					
	50mm x 6mm copper strip	40.000	Mtr	1452.00	58080.00	INR Fifty Eight Thousand & Eighty Only
	50mm x 6mm G.I. ( Hot Dipped ) Strip	600.000	Mtr	170.40	102240.00	INR One Lakh Two Thousand Two Hundred & Forty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and erection of M S swaged tubular pole conforming to IS: 2713-1980 (part I to II) with galvanised base plate in position including excavation of the pit and filling the same with C.C. of M-20 grade (1:1.5:3) from base plate to 50 cm above ground level, with the help of steel frame not less than 40 cm dia up to 114.3mm outer dia and 50 cm beyond 114.3mm outer dia around the pole. Duly finished with cement plaster, earthing terminals , cable entry, GI cable sleeve complete as required. The pole shall be fabricated by using ISI mark tube for structural purpose of following height & designation. ( See Table E - 09 for specs. )					
	9.0 Mtr. ( 410 SP - 28 )	8.000	Each	7084.80	56678.40	INR Fifty Six Thousand Six Hundred & Seventy Eight and Paise Forty Only
	Add for supply and fixing of hot dipped galvanised Overhang of following size over the existing poles					
	76.1 mm OD x 3.25 mm thickness	8.000	Mtr.	600.00	4800.00	INR Four Thousand Eight Hundred Only
	P & F of IP 65 protected LED Street Light Luminaire on existing brackets. Fixture made of powder coated single piece pressure die cast aluminium housing with heat dissipation fins on housing with UV stablized PC/ Toughened glass cover and lens/ reflector. Input power (including driver loss) range from 20-25W/30-40W/80-90W/ 110-120W with luminous Efficacy > 80 Lumen/W (warm white) & > 85 lumen/W (cool white) (As per LM79). LEDs of Cree/Nichia/OSram/Philips make is to be used at 1W/2W per LED, CRI > 70 and CCT 2700 K - 6500K. The integral SMPS based electronic driver must have efficiency > 85%, Power factor > 0.95, THD < 20% and input Voltage range of 90-270 VAC at 50 Hz. System life of 25000 Burning Hours with 70% of initial Lumens maintained. Fixtures must be in compliance with IS/CE Standards. Approved make : Philips, Bajaj, Surya. Complete Group-1					
	IP - 65 Protected LED Street Light Luminaire, LED Street Light fixture 80-90 Watt	12.000	Each	10120.00	121440.00	INR One Lakh Twenty One Thousand Four Hundred & Forty Only
	P&F of thermoplastic/ PVC cable junction boxes of following sizes including clamps for holding the box, cost of DIN rail for MCB mounting, connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect					
	175mm X 150mm X100mm	8.000	Each	360.00	2880.00	INR Two Thousand Eight Hundred & Eighty Only
	Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked(IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per Discom specification.					



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Panther	460.000	Mtr	132.00	60720.00	INR Sixty Thousand Seven Hundred & Twenty Only
	Supply and fixing of 11kV, 400 Amp 3pole, central pot rotating double break type isolator (IS:9921 part I toV) without earth blade operating mechanism with GI spring loaded reverse loop type fixed contact, solid hard drawn electrolytic copper tubular moving contact with silver/ nickel plated at end points, 9 nos post insulator of 12 kV (IS:2554 & IS 5350 part III), hot dipped galvanising hard ware, nut, bolts etc complete in all respect as per specification of Discom.( Type tested by ERDA/CPRI.)	7.000	Each	10520.00	73640.00	INR Seventy Three Thousand Six Hundred & Forty Only
	Providing and fixing of single pole mounted structure set for isolator as per Discom specification complete in all respect with nuts and bolts as required MS flat 50 x 6mm, MS angle 65 x 65 x6mm, MS channel 100 x 50 x 6mm. ( Excluding cost of pole )	9.000	Each	1908.00	17172.00	INR Seventeen Thousand One Hundred & Seventy Two Only
	Supply & Erection of lattice structure of height 11 mtr in alignment, including excavation of pit and Providing and laying of cement concrete in ratio 1:3:6 using 43 grade cement, river sand and 12 mm to 20 graded blast crusher broken in pit/ found cement plaster upto 0.50mtr. from top to bottom in 1:3:6 ratio and paint of tower of approved make two coat of red oxide paint and one coat of aluminium paint before installation and one coat of paint after irrection work completed as per technical specifications & drawing of DISCOM.	9.000	Each	24400.00	219600.00	INR Two Lakh Nineteen Thousand Six Hundred Only
	Supply and fixing 33kV Disc insulator 120KN (IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specificationof Discom).					
	B & S type hardware 120KN	24.000	Each	600.00	14400.00	INR Fourteen Thousand Four Hundred Only
	B & S disc insulator 120KN	72.000	Each	500.00	36000.00	INR Thirty Six Thousand Only
	S I T C of BEE 3 star rated Aluminium wound Transformer conforming to IS: 2026 & Losses as per Discom's CTL ( CTL Test certificate to be attached ) of rating 11/0.433KV Delta-Star Connected, Vector Group Dyn 11, standard accessories like conservator, silica gel breather, radiator, fins, HT bushing & LT cableboxes, Off -LTC (+/- 5% in steps of 2.5%) winding temperature rise of 50/55 C, ISI marked drain valve, Dial type Temperature gauge, first fill of oil, Epoxy based paint, including carrying of pre-commission Testing & Charging of Transformer. ( See table - 08 for CTL Losses )					
	100 KVA	1.000	Each	149600.00	149600.00	INR One Lakh Forty Nine Thousand Six Hundred Only
	SITC of battery bank of min 150 AH capacity comprising SMF/VRLA batteries , MS / Teakwood battery stand , interconnect wiring etc as required complete in all respect of rating:					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	110 V DC	1.000	Each	153000.00	153000.00	INR One Lakh Fifty Three Thousand Only
	SITC of FCBC ( Float cum boost charger)suitable for 415V +/-10%, 50 Hz , 1-? / 3 -? Input & 24/ 48 /110 V DC OutputNatural Cooled, free standing in Sheet Steel enclosure,SCR controlled , regulation +/-1% , Efficiency > 75% on FLAC/ DC Instruments, Selector Switch ,Built in DC Distribution Board (6 No MCB), indication , control as required of following rating:					
	25 A + 25 A	1.000	Each	67500.00	67500.00	INR Sixty Seven Thousand Five Hundred Only
	Supply & fabrication steel structure with MS channel / angle / joist / ISMB / sheet etc. including welding, rivetting, cutting, nut & bolt , Painting etc. as required.	4700.000	Kg	67.20	315840.00	INR Three Lakh Fifteen Thousand Eight Hundred & Forty Only
	Earth work in excavation/ by mechanical means (Hydraulic Excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sum on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed:	60.000	Cum	404.80	24288.00	INR Twenty Four Thousand Two Hundred & Eighty Eight Only
	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level.					
	M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate	80.000	Cum	4192.00	335360.00	INR Three Lakh Thirty Five Thousand Three Hundred & Sixty Only
	Supply and fixing of 33 KV, 630 Amp 3 pole, central pot rotating double break type isolator (IS: 9921 part I to V) without earth blade operating mechanism with GI spring loaded reverse loop type fixed contact, solid hard drawn electrolytic copper tubular moving contact with silver / nickle platedat and points, 18 nos post insulator of 12 KV (IS 2554 & IS 5350 part III), hot dipped galvanising hard ware, nut, bolts etc. complete in all respect as per specification of Discom (Type tested by ERDA CPRI).	12.000	Each	26910.00	322920.00	INR Three Lakh Twenty Two Thousand Nine Hundred & Twenty Only
	Supply and erection of 7.5 Mtr. "AB-1" type sub-station structure fabricated from M.S. Angle 65 × 65 × 6 mm with bracing of M.S. Flat 50 × 6 mm including excavation of pits of size 1 × 1 × 1.25 meter (as per specification & drawing approved by Nigam) Steel Wt. 350 Kg. Each structure.	12.000	Each	19000.00	228000.00	INR Two Lakh Twenty Eight Thousand Only
	Supply and erection of 4.3 meter long "C" type beam fabricated from ISA M.S. Angle 65 × 65 × 6 mm with bracing of M.S. Flat 50 × 6 mm on "AB" and AB structure with Nut & Bolt 5" dia (as per specification & drawing approved by Nigam) Steel Wt. 195 Kg. Each structure.	20.000	Each	13000.00	260000.00	INR Two Lakh Sixty Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and fixing of lightening arrestors on the existing brackets in all respect as required including hardware, nut, bolt & washer etc. for O&M works complete in all respect as per latest specifications of Discoms.	3.000	Set	17995.00	53985.00	INR Fifty Three Thousand Nine Hundred & Eighty Five Only
	Supply and laying/stringing of Bus bar with ACSR and jumber connection using tie rod, 11 KV insulator string, required hardware, PG clamps/T-clamps etc., as per requirement including Y-connection at bus bar jumpering point complete in all respect as per latest specifications of Discoms.					
	PG Clamp for ACSR Panther to Panther	66.000	Nos	317.00	20922.00	INR Twenty Thousand Nine Hundred & Twenty Two Only
	T/Clamp for Panther to Panther	66.000	Nos	230.00	15180.00	INR Fifteen Thousand One Hundred & Eighty Only
	SITC of VCB out door type complete with accessories including use of special tools & conducting all pre commissioning tests before energisation , I etc complete in all respect with erection & grouting of structure (excluding civil works). Complete in all respect as per latest specification of Discoms. The relays will be tested by Discom. 36 KV VCB, 1250 Amp	4.000	Set	351815.00	1407260.00	INR Fourteen Lakh Seven Thousand Two Hundred & Sixty Only
	SITC of 33 KV oil filled current / potential transformers on supporting structure including wiring and conducting all pre commissioning tests before energisation, including making necessary terminal connections complete in all respect as per latest specifications of Discoms. ( The CT/PT set will be tested by Discom). The work include installation of structure and foundation as per latest Discom specifications.					
	33KV CT (1 Set of 3 Nos.) 240-120-60/5A-5A	2.000	Set	160000.00	320000.00	INR Three Lakh Twenty Thousand Only
	33KV CT (1 Set of 3 Nos.) 400-200-100/5A-5A	2.000	Set	180000.00	360000.00	INR Three Lakh Sixty Thousand Only
	33KV PT, 33 KV/110 V	1.000	Set	90834.00	90834.00	INR Ninety Thousand Eight Hundred & Thirty Four Only
	SITC of control and relay panel including checking of wiring and conducting all pre commissioning tests before energisaion, satisfactory operation of all equipment existing thereof complete in all respect as per latest specifications of Discoms.					
	33 KV Control Panel Feeder Type	2.000	Set	182500.00	365000.00	INR Three Lakh Sixty Five Thousand Only
	33 KV Control Panel Transformer Type	2.000	Set	235565.00	471130.00	INR Four Lakh Seventy One Thousand One Hundred & Thirty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and fixing of X-15 type structure for isolator made of M.S. Angle of size 75×75×6 mm for main and 65×65×6 mm M.S. Angle for bracing including execution of pit of required size complete in all respect as per latest specification of JVVNL approximate weight 150 Kg.	4.000	Set	12140.00	48560.00	INR Forty Eight Thousand Five Hundred & Sixty Only
	SITC of 12KV VCB indoor type with one incomer of 630Amp. and two outgoing of 630 Amp. each complete with accessories including use of special tools & conducting all pre commissioning tests before energisation, etc. complete in all respect with erection & grouting of structure (excluding civil works). complete in all respect as per latest specifications of Discoms. (including CTs,PT with metering equipment)					
	12 KV VCB, 630 Amp. (Indoor Type)	2.000	Set	1130000.00	2260000.00	INR Twenty Two Lakh Sixty Thousand Only
	SITC of 12KV VCB indoor type with one out going only of 630Amp complete with accessories including use of special tools & conducting all pre commissioning tests before energisation, etc. complete in all respect with erection & grouting of structure (excluding civil works). complete in all respect as per latest specifications of Discoms. (including CTs,PT with metering equipment )					
	12 KV VCB, 630 Amp. (Indoor Type)	3.000	Set	376667.00	1130001.00	INR Eleven Lakh Thirty Thousand & One Only
	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required.					
	Double pole MCB					
	6 A to 32 A rating	4.000	Each	320.80	1283.20	INR One Thousand Two Hundred & Eighty Three and Paise Twenty Only
	P & F paper phenolic resin bonded laminates confirming to IS : 2036 - 1995 for boxes/ frames including making holes for switches etc, with brass screws, washers/ zinc plated nut and bolts as required.					
	4.8 mm thick	2.000	Sqm	655.20	1310.40	INR One Thousand Three Hundred & Ten and Paise Forty Only
	SF of 110/220 V, LED (22.5 mm dia ) Indicating lamp with integral circuit, terminal block, including connection etc. as required.					
	Red/yellow/Green colour	3.000	Each	120.00	360.00	INR Three Hundred & Sixty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly treated for derusting in 7 tank process with dephosphating and with powder coating on both side of panel in desired shade The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator)	6.000	Sqm	2201.60	13209.60	INR Thirteen Thousand Two Hundred & Nine and Paise Sixty Only
	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves.					
	Electrolytic grade Aluminium bus bar	2.000	Kg	336.00	672.00	INR Six Hundred & Seventy Two Only
	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip ,earth fault trip, push ( test ) to trip , including making connections with lugs & spreaders, etc. as required.					
	With Thermal Magnetic release					
	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	2.000	Each	5072.80	10145.60	INR Ten Thousand One Hundred & Forty Five and Paise Sixty Only
	Supply and fixing of pillar box made of 2 mm thick powder coated CRCA sheet of 415 volts 3 phase 4 wire triple pole and neutral type, complete in all respect as required. Including knife switch of 400 amp. rating , HRC fuses with copper one piece U contacts base, brass studs and nuts, copper busbar for main and interconnection, MS angle frame of 50 x 50 x 6 mm grouted with C.C. of M-10 grade to achieve the height of 1.5 feet above the road level suitable for four outgoing.	1.000	Each	34000.00	34000.00	INR Thirty Four Thousand Only
	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,IIInd class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	10 Sq.mm X 2 Core	300.000	Mtr	109.60	32880.00	INR Thirty Two Thousand Eight Hundred & Eighty Only
	50 Sqmm X 3.5 Core	100.000	Mtr	239.20	23920.00	INR Twenty Three Thousand Nine Hundred & Twenty Only
	185 Sqmm X 3.5 Core	30.000	Mtr	733.60	22008.00	INR Twenty Two Thousand & Eight Only
	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					
	100 mm dia.	114.000	Mtr	533.60	60830.40	INR Sixty Thousand Eight Hundred & Thirty and Paise Forty Only
	125 mm dia.	50.000	Mtr	740.00	37000.00	INR Thirty Seven Thousand Only
	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.					
	2 x 2.5 Sqmm	76.000	Mtr	32.80	2492.80	INR Two Thousand Four Hundred & Ninety Two and Paise Eighty Only
	1 x 4.0 Sqmm	10.000	Mtr	24.00	240.00	INR Two Hundred & Forty Only
	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.					
	2 x 10.0 sq.mm	16.000	Set	44.00	704.00	INR Seven Hundred & Four Only
	3.5 x 50.0 sq.mm	6.000	Set	105.60	633.60	INR Six Hundred & Thirty Three and Paise Sixty Only
	3.5 x 185.0 sq.mm	2.000	Set	316.00	632.00	INR Six Hundred & Thirty Two Only
	S & F of Electrical insulating rubber matts confirming to IS: 15652 / 2006 with one side anti skid abberation marks and pasting the mat with synthetic rubber adhesive as required.					
	11 KV, 2.5 mm thick with proof voltage 22 KV / 3 min. and Break Down Voltage 45 KV Complete Rate Group-I	10.000	Sqm	1840.00	18400.00	INR Eighteen Thousand Four Hundred Only
	33 KV, 3 mm thick with proof voltage 36 KV / 3 min. and Break Down Voltage 65 KV Complete Rate Group-I	6.000	Sqm	2240.00	13440.00	INR Thirteen Thousand Four Hundred & Forty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	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					
	3 Core X 300.0 Sq.mm Complete Rate Group-I	50.000	Mtr.	1988.80	99440.00	INR Ninety Nine Thousand Four Hundred & Forty Only
	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)	100.000	Mtr	288.00	28800.00	INR Twenty Eight Thousand Eight Hundred Only
	P&F of mechanical / digital time switch having following day /week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming etc. as required					
	One day & week reserve (digital type )	1.000	Each	4596.80	4596.80	INR Four Thousand Five Hundred & Ninety Six and Paise Eighty Only
	P & F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint including cutting, welding, holes etc.of following sizes as required.					
	50mm x 50mm x 6mm	6.000	Mtr.	250.40	1502.40	INR One Thousand Five Hundred & Two and Paise Forty Only
	SITC of 11 KV, 400/630 A, 20kA / 3 sec, Out door, Extensible type Ring main unit (RMU) in suitable RCC foundation with 2 no. Load break switch & 1 no. VCB / SF6 circuit breaker with over load, Earth fault, short circuit relay, copper bus bar, earthing switch, mechanical ON / OFF / Earth indication, Voltage presence indicator, Ring core protection CT 2.5 VA, 10P10 as per transformer rating, Shunt trip coil, Anti reflex operating handle, right angle boots etc. as required.	1.000	Per Set	331648.00	331648.00	INR Three Lakh Thirty One Thousand Six Hundred & Forty Eight Only
	<b>Part B 33 KV Charging Feeder</b>					
	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					
	3 Core X 300.0 Sq.mm Complete Rate Group-I	12000.000	Mtr.	1988.80	23865600.00	INR Two Crore Thirty Eight Lakh Sixty Five Thousand Six Hundred Only
	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 .					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	33 KV End Termination Kit Outdoor type					
	3 core 240/400 Sq.mm	30.000	Per set	8085.12	242553.60	INR Two Lakh Forty Two Thousand Five Hundred & Fifty Three and Paise Sixty Only
	33 KV Straight Through Joint Kit					
	3 core 240/400 Sq.mm	48.000	Per set	24229.44	1163013.12	INR Eleven Lakh Sixty Three Thousand & Thirteen and Paise Twelve Only
	Supply & Erection of lattice structure of height 12.8 mtr in alignment, including excavation of pit and Providing and laying of cement concrete in ratio 1:3:6 using 43 grade cement, river sand and 12 mm to 20 graded blast crusher broken in pit/ found cement plaster upto 0.50mtr. from top to bottom in 1:3:6 ratio and paint of tower of approved make two coat of red oxide paint and one coat of aluminium paint before installation and one coat of paint after irrection work completed as per technical specifications & drawing of DISCOM. Complete Rate Group 1	160.000	Each	33800.00	5408000.00	INR Fifty Four Lakh Eight Thousand Only
	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.					
	8 SWG GI wire	800.000	Mtr	7.20	5760.00	INR Five Thousand Seven Hundred & Sixty Only
	Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked (IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required as per Discom specification.					
	Panther	51000.000	Mtr	132.00	6732000.00	INR Sixty Seven Lakh Thirty Two Thousand Only
	Supply and fixing 33kV pin insulator( IS 731/ 1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc as per technical specifications & drawing of DISCOM.	450.000	Mtr	360.00	162000.00	INR One Lakh Sixty Two Thousand Only
	Supply of Fabricated 33 KV of 'V' type cross arms made of MS channel 100x50 ISMC (9.5Kg. Per Mtr.) on the existing poles complete including all necessary nut and bolt etc with clamps as per technical specifications & drawing of DISCOM.	140.000	Mtr	1012.00	141680.00	INR One Lakh Forty One Thousand Six Hundred & Eighty Only
	Supply and fixing of top hamper on the existing pole complete including nut bolts etc as required. Vertical type 33 kV. 0.75mtr. IS 75x75x6mm as per tech specs. Of DISCOM (Steel weight 6.5Kg. Approx. per top hamper	140.000	Mtr	280.00	39200.00	INR Thirty Nine Thousand Two Hundred Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and erection of GI stay set as per Discom specification complete with long stay rod with anchor plate including stay clamps turn buckle and G.I stay wire tightened through strain insulator, in cement concrete 1:3:6 including excavation of pit-re-filling etc as reqd.					
	Stay set of dia 20mm,2.4m long stay rod and anchor plate 380x380x6.4mm	50.000	Mtr	1055.20	52760.00	INR Fifty Two Thousand Seven Hundred & Sixty Only
	Supply and fixing 33kV Disc insulator 120KN (IS 731/1971) with minimum creepage distance of 300mm on existing bracket including all accessories like hot dipped GI spindle and nuts etc (as per specification of Discom).					
	B & S type hardware 120KN Complete Rate Group 1	30.000	Each	600.00	18000.00	INR Eighteen Thousand Only
	B & S disc insulator 120KN Complete Rate Group 1	90.000	Each	500.00	45000.00	INR Forty Five Thousand Only
	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					
	125 mm dia.	200.000	Mtr	740.00	148000.00	INR One Lakh Forty Eight Thousand Only
	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)	11000.000	Mtr	288.00	3168000.00	INR Thirty One Lakh Sixty Eight Thousand Only
	Supply and fixing of 33 KV, 630 Amp 3 pole, central pot 14.000 26,910.00 Each 3,76,740.00 rotating double break type isolator (IS: 9921 part I to V) without earth blade operating mechanism with GI spring loaded reverse loop type fixed contact, solid hard drawn electrolytic copper tubular moving contact with silver / nickle plated and points, 18 nos post insulator of 12 KV (IS 2554 & IS 5350 part III), hot dipped galvanising hard ware, nut, bolts etc. complete in all respect as per specification of Discom (Type tested by ERDA CPRI).	35.000	Each	26910.00	941850.00	INR Nine Lakh Forty One Thousand Eight Hundred & Fifty Only
	Supply and installation of spike of M.S. rod 20mm dia 3.0mtr. long for earthing of (tower/pole) drive into earth by mechanical means structure connection the spike with cross arm top hamper PCC pole, lattices tower to earth etc. complete as per technical specification of DISCOM	160.000	Per Set	520.00	83200.00	INR Eighty Three Thousand Two Hundred Only
	<b>Part C Electrification</b>					
	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, II nd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	3 core 185.0 Sq.mm	2750.000	Mtr	1012.80	2785200.00	INR Twenty Seven Lakh Eighty Five Thousand Two Hundred Only
	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, preparation of cable ends,testing etc. as required of following sizes .					
	11 KV End Termination Kit Indoor type					
	3 core 120/150/185/225 Sq.mm	12.000	Per Set	4000.00	48000.00	INR Forty Eight Thousand Only
	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
	SITC of 11 KV, 400/630 A, 20kA / 3 sec, Out door, Extensible type Ring main unit (RMU) in suitable RCC foundation with 2 no. Load break switch & 1 no. VCB / SF6 circuit breaker with over load, Earth fault, short circuit relay, copper bus bar, earthing switch, mechanical ON / OFF / Earth indication, Voltage presence indicator, Ring core protection CT 2.5 VA, 10P10 as per transformer rating, Shunt trip coil, Anti reflex operating handle, right angle boots etc. as required.	4.000	Per Set	331648.00	1326592.00	INR Thirteen Lakh Twenty Six Thousand Five Hundred & Ninety Two Only
	Supply and installation of spike of M.S. rod 20mm dia 3.0mtr. long for earthing of (tower/pole) drive into earth by mechanical means sturcture connection the spike with cross arm top hamper PCC pole, lattics tower to earth etc. complete as per technical specification of Discom	16.000	Per Set	520.00	8320.00	INR Eight Thousand Three Hundred & Twenty Only
	Supply and fixing of piller box made of 2 mm thick powder coated CRCA sheet of 415 volts 3 phase 4 wire triple pole and neutral type, complete in all respect as required. Including knife switch of 400 amp. rating , HRC fuses with copper one piece U contacts base, brass studs and nuts, copper busbar for main and interconnection, MS angle frame of 50 x 50 x 6 mm grouted with C.C. of M-10 grade to achieve the height of 1.5 feet above the road level suitable for four outgoing.	4.000	Each	34000.00	136000.00	INR One Lakh Thirty Six Thousand Only
	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,IIInd class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size.					
	3.5 core 185 Sqmm	100.000	Mtr	733.60	73360.00	INR Seventy Three Thousand Three Hundred & Sixty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	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.					
	3.5 x 185.0 sq.mm	4.000	Set	316.00	1264.00	INR One Thousand Two Hundred & Sixty Four Only
	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					
	100 mm dia.	80.000	Mtr	533.60	42688.00	INR Forty Two Thousand Six Hundred & Eighty Eight Only
	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)	2500.000	Mtr	288.00	720000.00	INR Seven Lakh Twenty Thousand Only
	Supply & fabrication steel structure with MS channel / angle / joist / ISMB / sheet etc. including welding, rivetting, cutting, nut & bolt ,Painting etc. as required.	2500.000	Kg	67.20	168000.00	INR One Lakh Sixty Eight Thousand Only
	<b>Part D Civil Work</b>					
	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20 cm. in depth, consolidating each deposited layer by ramming and watering including lead up to 50 meter and with all lift.	1058.000	cum	40.50	42849.00	INR Forty Two Thousand Eight Hundred & Forty Nine Only
	Carriage of Matrial Earth, sand, lime, morrum manure or sludge					
	For 1 Km.	1058.000	cum	43.20	45705.60	INR Forty Five Thousand Seven Hundred & Five and Paise Sixty Only
	Add for each 1 Km beyond 1st Km(upto 5 Km.)	1058.000	cum	2.70	2856.60	INR Two Thousand Eight Hundred & Fifty Six and Paise Sixty Only
	Earth work in excavation by mechanical means (Hydraulic Excavator )/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kinds of soils	1058.423	cum	111.60	118120.01	INR One Lakh Eighteen Thousand One Hundred & Twenty and Paise One Only
	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/Lindane emulsifiable concentrate of 20%	30.000	litre	164.70	4941.00	INR Four Thousand Nine Hundred & Forty One Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Diluting and injection Chloropyrifos Emulsifiable concentrate 20% with 1% concentration for PRE-CONSTRUCTIONAL Anti termite treatment as per IS 6313 part III as amended from time to time and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor along the external perimeter of building expansion joints, over the top surface of consolidated earth of which aproch is to be laid surrounding of pipes and conduits etc. complete as per specification (Plinth floor area only shall be measured for payment and excluding the cost of chemical emulsion)	83.700	sqm	29.70	2485.89	INR Two Thousand Four Hundred & Eighty Five and Paise Eighty Nine Only
	CEMENT CONCRETE (CAST-IN-SITU) Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	139.362	cum	2058.30	286848.80	INR Two Lakh Eighty Six Thousand Eight Hundred & Forty Eight and Paise Eighty Only
	Providing and laying cement concrete including curing, compaction etc. complete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, levelling course etc up to floor five level excluding the cost of centering and shuttering. M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	11.952	cum	3186.90	38089.83	INR Thirty Eight Thousand & Eighty Nine and Paise Eighty Three Only
	Construction of Embankment with Material Obtained from Borrow Pits Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per MoRD Specification Clause 301.5	1680.000	cum	94.50	158760.00	INR One Lakh Fifty Eight Thousand Seven Hundred & Sixty Only
	CAST-IN-SITU CONCRETE					
	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers( if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, grids having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	51.254	cum	3232.80	165693.93	INR One Lakh Sixty Five Thousand Six Hundred & Ninety Three and Paise Ninety Three Only
	Add extra for providing richer mixes respectively at all floor levels Providing M-25 grade concrete by using min 410 kg of cement per cum instead of M-20 grade design mix.	51.254	cum	51.30	2629.33	INR Two Thousand Six Hundred & Twenty Nine and Paise Thirty Three Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Half brick masonry in Superstructure , above plinth level upto floor V level using bricks of designation 75 Cement mortar 1 : 4 (1 cement : 4 coarse sand)	41.100	sqm	362.70	14906.97	INR Fourteen Thousand Nine Hundred & Six and Paise Ninety Seven Only
	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 6 (1 cement : 6 coarse sand)	58.842	cum	2949.30	173542.71	INR One Lakh Seventy Three Thousand Five Hundred & Forty Two and Paise Seventy One Only
	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in : Cement Mortar 1:5 ( 1- Cement : 5-Sand).	112.251	cum	2268.90	254686.29	INR Two Lakh Fifty Four Thousand Six Hundred & Eighty Six and Paise Twenty Nine Only
	Random Rubble stone masonry for with hard stone in foundation and plinth in Cement Sand mortar above 30 CM thick wall in: Cement Mortar 1:6 ( 1- Cement : 6-Sand).	255.210	cum	1770.30	451798.26	INR Four Lakh Fifty One Thousand Seven Hundred & Ninety Eight and Paise Twenty Six Only
	Add extra for Random Rubble stone masonry with hard stone in Square or Rectangular pillars	16.403	cum	135.00	2214.41	INR Two Thousand Two Hundred & Fourteen and Paise Forty One Only
	FORMK WORK Centering & shuttering with plywood or steel sheets including strutting, propping bracing both ways with steel props and removal of formwork for upto floor five level for : Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor blocks, sills, chhajjas, lintel, beam, plinth beam etc.	309.376	sqm	212.40	65711.46	INR Sixty Five Thousand Seven Hundred & Eleven and Paise Forty Six Only
	STEEL REINFORCEMENT Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level. Thermo-mechanically Treated bars (Conforming of relevent IS code)	4154.436	Kg	62.10	257990.48	INR Two Lakh Fifty Seven Thousand Nine Hundred & Ninety and Paise Forty Eight Only
	CEMENT PLASTER Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish : 20mm thick .	1150.582	sqm	107.10	123227.33	INR One Lakh Twenty Three Thousand Two Hundred & Twenty Seven and Paise Thirty Three Only
	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finish : 20mm thick.	232.400	sqm	92.70	21543.48	INR Twenty One Thousand Five Hundred & Forty Three and Paise Forty Eight Only
	6 mm thick cement plaster to ceiling of mix 1:3 (1cement : 3-fine sand)	146.750	sqm	67.50	9905.63	INR Nine Thousand Nine Hundred & Five and Paise Sixty Three Only
	Extra for providing external lipping with 2nd class teak wood battens 6 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 8.13.	21.840	sqm	109.80	2398.03	INR Two Thousand Three Hundred & Ninety Eight and Paise Three Only
	Supplying and fixing fixed wire gauge of 14 mesh x 24 gauge to the metal frame of rolled section by metal beading 20x3mm with suitable screw at not exceeding 150mm distance.	38.400	sqm	385.20	14791.68	INR Fourteen Thousand Seven Hundred & Ninety One and Paise Sixty Eight Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Providing and fixing Square bars or other flat welded to window, ventilations etc.	350.000	Kg	55.80	19530.00	INR Nineteen Thousand Five Hundred & Thirty Only
	SAND STONE FLOORING Random rubble dry stone Kharanja under floor.	18.611	cum	581.40	10820.44	INR Ten Thousand Eight Hundred & Twenty and Paise Forty Four Only
	KOTA STONE FLOORING Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) For area of each slab from 2001 to 5000 Sq.Cm	85.924	sqm	638.10	54828.10	INR Fifty Four Thousand Eight Hundred & Twenty Eight and Paise Ten Only
	Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67 marked using Phenol formal dehyderesin in glue both sides with approved steel fittings complete as per annexure 'A' : 30 mm thick . Commercial Veneer both side	21.840	sqm	1106.10	24157.22	INR Twenty Four Thousand One Hundred & Fifty Seven and Paise Twenty Two Only
	ROUGH CAST PLASTER Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	394.669	sqm	43.20	17049.70	INR Seventeen Thousand & Forty Nine and Paise Seventy Only
	P & F 1st qualityVitrified Porcelain Polished tiles on floor, skirting and steps etc.in different si size 600 mm X 600 mm	62.258	sqm	839.70	52278.04	INR Fifty Two Thousand Two Hundred & Seventy Eight and Paise Four Only
	INTERIOR FINISHING Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including all scaffolding; New work (two or more coats) over and including scrapping and priming coat with cement primer.	850.000	sqm	46.80	39780.00	INR Thirty Nine Thousand Seven Hundred & Eighty Only
	Providing and fixing in position collapsible steel shutters with vertical M.S. Channels 20 x 10 x 2mm and bracket with flat iron diagonals 20 x 5mm. size with top and bottom rail of T-iron 40 x 40 x 6mm. with 40mm dia steel pulleys/ball bearing complete with bolts, nuts locking arrangements inside and outside stoppers, handles etc. as per specification including applying a priming coat of approved steel primer. (To be measured and paid as per outer dimension).	7.500	sqm	3225.60	24192.00	INR Twenty Four Thousand One Hundred & Ninety Two Only
	GALVANISED IRON SHEET ROOFING Grading roof for water proofing treatment with water proffing compound Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	6.138	cum	2934.00	18008.89	INR Eighteen Thousand & Eight and Paise Eighty Nine Only
	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :	65.000	mtr	72.90	4738.50	INR Four Thousand Seven Hundred & Thirty Eight and Paise Fifty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	<b>EXTERIOR FINISHING</b> Finishing wall with water proofing cement paint of approved brand and manufacture and or required shade to give an even shade including all scaffolding: New work (Two or more coats applied @ 3.84 kg/10 sqm).	852.302	sqm	33.30	28381.66	INR Twenty Eight Thousand Three Hundred & Eighty One and Paise Sixty Six Only
	<b>PAINTING</b> Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	200.000	sqm	39.60	7920.00	INR Seven Thousand Nine Hundred & Twenty Only
	<b>POINTING</b> Pointing on stone masonry in cement sand mortar 1:3 (1 cement : 3 sand) : Raised and cut pointing.	239.400	sqm	132.30	31672.62	INR Thirty One Thousand Six Hundred & Seventy Two and Paise Sixty Two Only
	Supply &fixing of Fiber reinforced Ferro cement drain cover (light duty) designed for side drain for class "B" Road loading duly marked on cover with adequate steel reinforcement having thickness 50 mm to 75 mm anti corrosive bitumen painted M.S. plate Rim and on M.S. lifting hooks additives & admixture like plasticizer shrinkage resistance compound abrasion resistant as per approved drawing and design complete in all respect. for drain Opeining Size 451 to 700 mm Standard Drain Cover Size 1000mm x 900mm x 60mm	112.500	sqm	643.50	72393.75	INR Seventy Two Thousand Three Hundred & Ninety Three and Paise Seventy Five Only
	Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement as per Clause 1501.2.2 M35 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a automatic concrete mixing plant, using approved mix design,transported in transit mixture from plant to work site, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound and water finishing to lines and grade as per drawing and Technical Specification Clause 1501 Including vacuum dewatering process with all required equipments	75.000	cum	5310.00	398250.00	INR Three Lakh Ninety Eight Thousand Two Hundred & Fifty Only



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Providing and fixing steel glazed doors windows and ventilator shutters of standard rolled steel section (IS 1038-1983) joints mitred and welded with steel lugs 13x3mm, 10cm. long embedded in cement concrete block 15x10x10cm. of 1:3:6 (1cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws with fixing clips or with bolts and nuts as required including providing and fixing of plain glass panes 4mm thick with cooper glazing clips and special metal sash putty of approved make or metal beading with screws complete including priming coat of approval steel primer, excluding the cost of metal beading and other fitting except necessary hinges of pivots steel handles peg stay etc. as required : Windows side hung /Ventilators top or centre hung (openable)	32.400	sqm	2178.90	70596.36	INR Seventy Thousand Five Hundred & Ninety Six and Paise Thirty Six Only
	Providing and fixing steel gate, grating , and grills made of angles, tees, square bars, flats,or black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide	2900.000	Kg	66.60	193140.00	INR One Lakh Ninety Three Thousand One Hundred & Forty Only
	Extra 10% if square,rectangular hollow tubular sections are used or grill made by flats only	200.000	Kg	6.66	1332.00	INR One Thousand Three Hundred & Thirty Two Only
	Printing New Letters and Figures of any Shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and MoRD Specification Clause 1701 English and Roman	50000.000	m Height Per l	0.27	13500.00	INR Thirteen Thousand Five Hundred Only
	WATER CLOSETS P & F European type white glazed vitreous china 1st quality W.C pan (IS : 2556 Mark) with P or S trap including cutting and making good the wall and floor	1.000	Each	1165.50	1165.50	INR One Thousand One Hundred & Sixty Five and Paise Fifty Only
	P & F White glazed Conversion Bend for W.C. from P trap to S trap.	7.000	Each	109.80	768.60	INR Seven Hundred & Sixty Eight and Paise Sixty Only
	URINALS P & F W.V.C. (IS: 2556 Mark) Squatting Urinal of standard make complete. Including cutting & making good the floor: Size 450x350mm	3.000	Each	558.00	1674.00	INR One Thousand Six Hundred & Seventy Four Only
	P & F C.P. Brass flush Valve with C.P. flush bend of approved make. Lever type with Elbow 32 mm dia	5.000	Each	1960.20	9801.00	INR Nine Thousand Eight Hundred & One Only
	RIGID PVC SOIL P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.					
	75 mm dia	30.000	mtr	99.00	2970.00	INR Two Thousand Nine Hundred & Seventy Only
	160 mm dia	25.000	mtr	225.00	5625.00	INR Five Thousand Six Hundred & Twenty Five Only
	P&F rigid PVC pipe fittings (IS: 4985 mark) of approved quality /make including joining the pipe with solvent cement rubber ring and lubricant:					



Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Bend 45 160 mm dia	5.000	Each	83.70	418.50	INR Four Hundred & Eighteen and Paise Fifty Only
	Bend 87.5 110mm dia	5.000	Each	90.00	450.00	INR Four Hundred & Fifty Only
	Construction of soakage well in all type of soil with 300 mm thick dry masonry, top and bottom 300 mm course in CM 1:6, 80mm thick stone slab, jointing of slab in CM 1 : 3, Ralthal, Kharanja, 40 mm thick M-15 grade C.C flooring , earthwork complete as per approved drawing including disposal of earth within a lead of 50 mtr.: Size 300 Cm. dia outside & 240 Cm. Depth.	1.000	Each	14256.00	14256.00	INR Fourteen Thousand Two Hundred & Fifty Six Only
	Construction of septic Tank in all types of soil with 40 Cm .thick masonry in CM 1:6, 15 Cm thick C.C bed of 1:5:10, M-15 grade C.C flooring & over stone slab covering ,80 mm thick slab jointing of slab in CM 1:3. Ralthal, Kharanja, 50 mm thick stone partition walls, 20 mm thick plaster in CM 1:6 finished with neat floating cement, 4 Nos C.I foot rests of approved design ,two No. 450 mm dia each Ferro cement cover with frame, earth work etc. complete as per approved drawing including disposal of surplus earth within a lead of 50 mtr:- Size 230 x110 x150 cm.(for 20 users)	1.000	Each	23715.00	23715.00	INR Twenty Three Thousand Seven Hundred & Fifteen Only
	WASH BASINS P & F WVC wash basin (1st quality, I.S. : 2556 Mark) of approved make with C.I. brackets duly painted, 1 No. 15 mm C.P. Pillar cock (IS : 8934 Mark) & 32 mm C.P. brass waste coupling of approved make, 25 mm G.I. waste pipe complete including cutting & making good the wall.: Size 510 mm x 400 mm	2.000	Each	1427.40	2854.80	INR Two Thousand Eight Hundred & Fifty Four and Paise Eighty Only
	GALVANISED IRON PIPES P & F G.I. pipes (Internal Work) with G.I. Fittings excluding union (IS:1239 Mark) & MS clamps including cutting and making good the walls and floors:					
	Exposed on wall 15 mm dia nominal bore 'B' Class	35.000	mtr	121.50	4252.50	INR Four Thousand Two Hundred & Fifty Two and Paise Fifty Only
	25mm dia nominal bore 'B' Class	40.000	mtr	207.00	8280.00	INR Eight Thousand Two Hundred & Eighty Only
	32mm dia nominal bore 'B' Class	240.000	mtr	249.30	59832.00	INR Fifty Nine Thousand Eight Hundred & Thirty Two Only
	Making connection of G.I. distribution branch with G.I. main including all fitting. Beyond 25mm & upto 100mm dia	5.000	Each	243.90	1219.50	INR One Thousand Two Hundred & Nineteen and Paise Fifty Only
	MISCELLANEOUS P & F Soap Dish or Tray of approved quality/ make C.P. brass heavy and superior quality.	2.000	Each	85.50	171.00	INR One Hundred & Seventy One Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Providing and fixing 1st quality standard white, grey, ivory, fume red brown, light green, light blue and other light shades glazed tiles confirming to IS : 13753 & IS :15622 of size 200mm x 300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in the white cement mixed with pigment to match the shade of the tile complete (excluding the cost of cement plaster on walls and pillar).	25.000	sqm	462.60	11565.00	INR Eleven Thousand Five Hundred & Sixty Five Only
	COCKS, MIXERS, DIVERTORS & VALVES Note : (a) The rates are for ISI marked item. (b) If the items are Non-ISI marked, reduce the rate by 25%. P & F Full-way Valve (IS:778 Mark) or wheel valve of approved make : Gun-metal 25mm nominal bore.	4.000	Each	391.50	1566.00	INR One Thousand Five Hundred & Sixty Six Only
	P & F foot valve of superior quality and approved make with fittings : Brass 25 mm.	3.000	Each	118.80	356.40	INR Three Hundred & Fifty Six and Paise Forty Only
	P & F PVC Storage Tank ISI Marked (IS : 12701) indicating the BIS license No), of approved make with cover, 25mm dia 1M long G.I. over-flow pipe & 25 Cm. long wash out pipe with plug & socket, including making connection etc., complete of approved design: 1000 litres capacity.	1.000	Each	5400.00	5400.00	INR Five Thousand Four Hundred Only
	Supply & fixing G.I. Union ISI marked in G.I. pipe line as required complete in all respect of size : 15mm dia nominal bore	5.000	Each	79.20	396.00	INR Three Hundred & Ninety Six Only
	25mm dia nominal bore	5.000	Each	126.90	634.50	INR Six Hundred & Thirty Four and Paise Fifty Only
	P & F Bib Cock (IS : 8931 Mark), Superior quality of approved make: Brass 400 grm,15mm nominal bore.	10.000	Each	198.90	1989.00	INR One Thousand Nine Hundred & Eighty Nine Only
	Synthetic Material(PMT) bib cock of approved quality/ make, nominal bore, 15mm, 86 mm long.	10.000	Each	119.70	1197.00	INR One Thousand One Hundred & Ninety Seven Only
	C.P. Brass Long body, 15mm nominal bore weight not less than 690 gm	2.000	Each	639.90	1279.80	INR One Thousand Two Hundred & Seventy Nine and Paise Eighty Only
	STONEWARE PIPES & FITTING P & F Square-mouth gully trap 'A' grade (IS 651-1992 :marked) of approved make complete with C.I. grating, frame & Cover masonry chamber in C.M. 1:6, 100mm thick C.C. 1:5:10 base concrete, 40mm thick C.C.M-15 grade coping, 12mm thick cement plaster in CM 1:3 complete as per approved design & type. Trap size 150 X 100mm, ferrow cement cover with frame, Internal Chamber size 300 X 300mm.	2.000	Each	752.40	1504.80	INR One Thousand Five Hundred & Four and Paise Eighty Only
	Development of tube well as per IS specification using suitable compressor to give sand free water for required yield of the gravel packed tube well.	60.000	Hours	445.50	26730.00	INR Twenty Six Thousand Seven Hundred & Thirty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply of ERW M.S. black casing pipe ISI marked (IS:4270/1992) of grade Fe410 of following sizes at site of work. Nominal bore of pipe (mm) 200 Nominal bore of pipe (mm)	180.000	mtr	1413.00	254340.00	INR Two Lakh Fifty Four Thousand Three Hundred & Forty Only
	Supply of strainer pipes made of ERW M.S. black pipe ISI mark of following sizes at the site of work including required size of slotting as per IS:8110- 1985. 200 mm Nominal Bore.	60.000	mtr	1638.00	98280.00	INR Ninety Eight Thousand Two Hundred & Eighty Only
	S & F tube well cover of M.S.sheet (6mm thick) with nuts and bolts complete for casing size: 200mm dia	5.000	Each	277.20	1386.00	INR One Thousand Three Hundred & Eighty Six Only
	S & F M.S. clamp, set of 50 *6mm flat iron with nuts and bolts etc. for holding the riser pipe assembly of submersible pump set.	8.000	Each	198.00	1584.00	INR One Thousand Five Hundred & Eighty Four Only
	UPVC SOIL WASTE & RAIN WATER (SWR ) PIPES Providing and Fixing Unplasticized Poly Vinyl Chloride (UPVC) SWR Pipes Type B for sciland waste discharge system (IS:13592 : 1992 Marked) of approved quality /make 110 mm dia	20.000	mtr	198.00	3960.00	INR Three Thousand Nine Hundred & Sixty Only
	Installation of submersible motor pump set in Tube-well/open well complete ( labour charges only) including transportation of tripod, chain pulley block & any other material required for lowering purpose.	1.000	Each	2772.00	2772.00	INR Two Thousand Seven Hundred & Seventy Two Only
	Construction of Tube-well upto 100 Meter depth and above in all type of rocks by DTH system and over burden, to accommodate casing pipe of following sizes in all types of soils and over burden including lowering of casing pipes, but excluding cost of casing pipes as per IS : 2800 (Part I & II) 1979 specifications. The work would be completed after obtaining sand free water. The tube well should have a throughout bore as per nominal dia of casing pipe: 200 mm dia Nominal bore.	240.000	R.Mtr.	742.50	178200.00	INR One Lakh Seventy Eight Thousand Two Hundred Only
	P/Laying ISI marked P.V.C. insulated submersible cable confirming to IS:694 with flexible copper conductor including making connection etc. as required. 4.0 Sq.mm 3 core flat / Round Complete Rate Group 3	240.000	mtr	74.00	17760.00	INR Seventeen Thousand Seven Hundred & Sixty Only
	SITC of radial / mixed flow submersible motor pump sets ISI marked (IS:8034-1989) of approved make with required accessories including making connection suitable for T.W./ D.C.B./ Open well. The job includes lowering of riser pipe, G.I./ H.D.P.E. pipe with rope, cables, installation of complete fitting and accessories, jointing of electrical cables up to switch board. All labour for testing of submersible pumps set and supply of water to water mains, complete in all respect. 100 mm diameter Submersible pump shall have following HP Rating, phase, Head, minimum Discharge respectively. 3.0 HP, 3-Ø, (33-90)Mtr, (166-60)LPM Complete Rate Group-I	1.000	Each	17388.00	17388.00	INR Seventeen Thousand Three Hundred & Eighty Eight Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	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, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 4.0 Sq.mm 3 core Complete Rate Armoured	30.000	mtr	92.80	2784.00	INR Two Thousand Seven Hundred & Eighty Four Only
	P & F Star rated double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. 1200 mm Sweep 5 Star rated Complete Rate Group-I	10.000	Each	1516.80	15168.00	INR Fifteen Thousand One Hundred & Sixty Eight Only
	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS ( IS:9537 P - III ) PVC conduit & it's accessories, round tiles, 18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
	Short point (up to 3 mtr.) Complete Rate Group 2	10.000	P. Point	137.60	1376.00	INR One Thousand Three Hundred & Seventy Six Only
	Long point (up to 10 mtr..) Complete Rate Group 2	5.000	P. Point	303.36	1516.80	INR One Thousand Five Hundred & Sixteen and Paise Eighty Only
	Supply and fixing & testing of feeder type penal board suitable for upto 15 HP electric motor having star delta/ DOL starter ( L&T /BCH), MCB 32 amp.( havals /L&T), capacitor 3 KVR ( L&T/Havals), Single phase priventor( L&T/havals), indicating lamp RYB , Amp. Meter ( 0 to 30Amp) , Volt Meter with selector switch ( 0 to 500 V) size 100 mm, kit kat fuse unit 100 amp, backlite sheet for fixing of 3 phase electric meter of JVVNL electric feeder penal approved as per design and specification mounted on angle iron fram and fixed plain on plain cement concrete plateform, size of feeder penal box 900X 450X1200mm (D-547 dt. 20.12.2011) Star Delta above 5 HP to 15 HP	1.000	Each	24915.00	24915.00	INR Twenty Four Thousand Nine Hundred & Fifteen Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS ( IS:9537 P - III ) PVC conduit & it's accessories, 18 SWG 175 mm x 100 mm x 60 mm M.S. box with earth terminal, 6 A switch, 6 A socket, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required. On board Complete Rate Group 1	10.000	P. Point	72.00	720.00	INR Seven Hundred & Twenty Only
	P & F socket size flush type 120/280 watt rotary 5 step fan regulator including making connection te Complete Rate Group 1	10.000	Each	168.00	1680.00	INR One Thousand Six Hundred & Eighty Only
	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required. Single pole MCB 6 A to 32 A rating Complete Rate Group 1	10.000	Each	120.80	1208.00	INR One Thousand Two Hundred & Eight Only
	P&F recessed mounting heavy duty sheet steel End Box for distribution board duly phosphatised powder coated complete as required. For TPN 12 way DB / all VTPN DB Complete Rate Group 1	1.000	Each	1080.00	1080.00	INR One Thousand & Eighty Only
	P & F 18 swg M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side . Complete Rate Group-I	10.000	Each	76.00	760.00	INR Seven Hundred & Sixty Only
	P & F IS:371 marked 6 amp surface type ceiling rose including making connection testing etc. as required. Complete Rate Group 1	10.000	Each	14.40	144.00	INR One Hundred & Forty Four Only
	P & F ISI marked following semi modular accessories with decorative cover plate of approved colours					
	16 A one way switch Complete Rate Group 1	5.000	Each	50.40	252.00	INR Two Hundred & Fifty Two Only
	16 A 6 pin socket Complete Rate Group 1	2.000	Each	52.00	104.00	INR One Hundred & Four Only
	P & F ISI marked 6 amp bakelite batten/angle holder including making connection testing etc. as required. Complete Rate Group 1	10.000	Each	16.00	160.00	INR One Hundred & Sixty Only
	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked in existing opening including making connections testing etc. as required. 300 mm sweep (900/1400 RPM) Complete Rate Group-I	1.000	Each	2401.60	2401.60	INR Two Thousand Four Hundred & One and Paise Sixty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.					
	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm. Complete Rate Group 1	100.000	mtr	61.60	6160.00	INR Six Thousand One Hundred & Sixty Only
	2 x 10.0 sq.mm Complete Rate Group 1	40.000	mtr	123.20	4928.00	INR Four Thousand Nine Hundred & Twenty Eight Only
	P&F 240/415 V isolator conforming to IS:13947-III/ IEC 60947-3 on existing board / sheet including making connections, testing etc. as required. Double pole isolator 30 A / 40 A rating Complete Rate Group 1	1.000	Each	238.40	238.40	INR Two Hundred & Thirty Eight and Paise Forty Only
	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. With Pipe in Pipe Technology (Inner pipe dia. / Outer pipe dia. ) 80 - 100 micron GI Coating GI pipe 2000 mm long, 80 / 40 mm, Terminal 12 mm GI Strip Complete Rate group-I	1.000	Per Set	7800.00	7800.00	INR Seven Thousand Eight Hundred Only
	P & F of IP20 LED batten type light fixture made from CRCA sheet steel housing suitable for mounting LED tube system (integral driver), Power Consumption of 18W / 36W 1500-3000 lumens, system lumen efficiency 80 lm/Watt output, life time of 50,000 burning hours with 70% initial lumen maintained. CCT 3000°K, 4000°K & 6000°K. Approved Make:- Philips, CG, Bajaj, Wipro, Surya, Havell's, HPL, K-Lite, Lighting Science 4' LED Tube shape fixture 18W Complete Group-1	10.000	Each	1800.00	18000.00	INR Eighteen Thousand Only
	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required. 25 mm Complete Rate Group 1	500.000	R.Mtr.	33.60	16800.00	INR Sixteen Thousand Eight Hundred Only
Total in Figures					63560313.22	INR Six Crore Thirty Five Lakh Sixty Thousand Three Hundred & Thirteen and Paise Twenty Two Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				