

JAIPUR DEVELOPMENT AUTHORITY

Room No. 26, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur - 302004
Telephone: +91-141-2569696 e.mail: ee.electric@jaipurjda.org

No:- JDA/Executive Engineer/Elect.-II/2015-16/D-249

Dated: 21.08.15

NOTICE INVITING BID

NIB No. : EE-(Elect.-II)/15/2015-16

Online Bids are invited up-to 6.00 PM of 11/09/2015 for **"Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur"**. Details may be seen in the Bidding Document at our office or the website of State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jaipurjda.org.

To participate in the bid, bidder has to be:

1. Registered on JDA website www.jaipurjda.org for participating in the Bid, the Bidder has to apply for the Bid and pay the Bidding Document Fee, RISL Processing Fee and Bid Security Deposit, online only.
2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e-Bid submission.

(Sanjeev Sachdev)
Executive Engineer (Elect.-II)

Detail NIB for uploading on SPP Portal, e-Procurement, JDA Portal & as part of NIB Document

JAIPUR DEVELOPMENT AUTHORITY

Room No. 26, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur – 302004
Telephone: +91-141-2569696 e.mail: ee.electric@jaipurjda.org

No:- JDA/Executive Engineer/Elect.-II/2015-16/D- 249

Dated: 21.08.15

NOTICE INVITING BID

NIB No. : EE-(Elect.-II/15/2015-16

Name & Address of the Procuring Entity	➤ Name: Executive Engineer (Elect.-II), Jaipur Development Authority ➤ Address: Room No. 26, Main Building, Ram Kishore Vyas Bhavan, Indira Circle, JawaharLal Nehru Marg, Jaipur-302004 (Rajasthan) ➤ Email:- ee.electric@jaipurjda.org
Subject Matter of Procurement	➤ Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.
Bid Procedure	➤ Two Stage tender (e.g. Two-stage Three part (envelope) open competitive) e-Bid procedure at http://eproc.rajasthan.gov.in
Bid Evaluation Criteria (Selection Method)	➤ L1 (e.g. Least Cost Based Selection (LCBS)-L1)
Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.	➤ Websites: www.sppp.rajasthan.gov.in , www.eproc.rajasthan.gov.in , www.jaipurjda.org
Website for online Bid application and payment *	➤ Website: www.jaipurjda.org ➤ 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. ○ Bidding document fee: Rs. 1000/- Rupees (One Thousand only) ○ RISL Processing Fee: Rs. 1000/- (Rupees One Thousand only) ➤ Requisite Bid Security Deposit
Estimated Procurement Cost	➤ INR 305.76 Lacs (Rupees Three Crore Five Lacs and Seventy Six Thousand only)
Bid Security Deposit	➤ Amount (INR) : 2% (Rs. 6,11,520/-) (For A & AA class contractor registered in other department) of Estimated Procurement Cost, 0.5% (Rs. 1,52,880/-) of S.S.I. of Rajasthan, 0.5% (Rs. 1,52,880/-) for Bidder registered as contractor in JDA, 1% (305760/-) for Sick Industries, other than S.S.I., whose cases are pending with Board of Industrial & Financial Reconstruction
Pre-Bid	➤ N/A
Start/ End Date for Bid Applying, Online Payment and Bid Submission	➤ Start Date: 28/08/2015 at 9.30 AM onwards ➤ End Date: 11/09/2015 at 6.00 PM
**Date/ Time/ Place of Technical Bid/Tender Opening	➤ 17/09/2015 at 1.30 PM ➤ Room No. 309, CCC Building, Third Floor, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302004 (Rajasthan)
Date/ Time/ Place of Financial Bid Opening	➤ Will be intimated later to the Technically qualified bidders
Bid Validity	➤ 120 days from the bid submission deadline
Time period for Work	➤ 6 Months

*The amount is to be deposited online by bidder. In case the amount exceeds the online payment limit the payment may be made through RTGS/NEFT in ICICI BANK LTD Bank Account Number 675401700586 IFSC Code ICIC0006754. After successful payment, update the UTR/Instrument number on JDA Tender portal against the tender you want to participate. The amount deposited will be confirmed by JDA and will be updated online.

** There should be a gap of 3 working days **BETWEEN** End Date for Bid Applying, Online Payment & Bid Submission **AND** Bid opening date.

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 for 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
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 RTPP 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.

(Sanjeev Sachdev)
Executive Engineer (Elect.-II)

Process for Participation & Depositing Payment Online

JAIPUR DEVELOPMENT AUTHORITY, has decided to receive Bidding document fee, RISL Processing Fee and Bid Security Deposit (BSD) through online mode only for which the bidder has to get registered himself on JDA portal www.jaipurjda.org.

To participate in the bid, bidder has to be:

1. Registered on JDA website www.jaipurjda.org (by depositing Rs. 500.00 online, the validity of which remains 3 (three) years).

For participating in the Bid, the Bidder has to apply for this Bid and pay the Bid Document Fee, RISL Processing Fee and Bid Security Deposit, online only.

2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e-Bid submission.

Methods for depositing on line amount

- Online through Internet Banking, Debit Card or Credit Card.
- In case the amount exceeds the online payment limit, the payment may be made through RTGS / NEFT / Transfer in Bank Account Number **675401700586** IFSC Code **ICIC0006754** of ICICI BANK Limited, JDA Campus Jaipur.

In case of RTGS / NEFT / Transfer the bidder is required to deposit the requisite amount in the dedicated bank account number as mentioned above and has to get the UTR / Reference number from the bank. This number requires to be updated whiling applying the bid on JDA portal.

While participation in the bid, a receipt will be generated through the system showing the submission details as per **Annexure-4**. The bidder is required to fill the instrument numbers for various heads on e-Procurement portal www.eproc.rajasthan.gov.in as mentioned in the receipt.

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website www.jaipurjda.org under [eServices](#)>>JDA Tender

Annexure: 4
Template of Online Receipt as part of NIB Document

Bidder has to submitted as proof of deposited amount against the Bid on eProcurement Protal

Jaipur Development Authority			
Bid Participation Receipt			
		Date & Time : 09/06/2015 05:13 PM	
Bid Detail			
Bid Id :	6215152001	Procurement Entity :	XXXXXXXXXXXXXX
Bid Title :	Testing		
Bid Value :	300000	Bid Opening Place :	Manthan Hall, Jaipur Development Authority
Bidder Detail			
Name of Entity :	XXXXXXXXXXXXXX	Mobile:	9829012345
Registration Type:	Individual	Instrument Amount :	32500.00
Payment Mode:	Online/UTR	Payment Channel :	Payment Gateway/ICICI Branch - JDA
Instrument No :	456123789	Instrument Date :	17-06-2015
Dates Detail			
Sr. No.	Event Name	Event Date	
1	Publishing Date	01/06/2015 01:00 PM	
2	Bid Opening Date	01/07/2015 03:00 PM	
Specific Instrument Detail for eProc Rajasthan			
Instrument Type: DD			
Instrument Number	Head Name	Amount	Date
10000	Tender Fee	400.00	05/06/2015
10001	RISL Processing Fee	1000.00	05/06/2015
10002	Bid Security Deposit	30,000.00	05/06/2015
Issuer Detail : Jaipur Development Authority		ChallanNumber: 641515600014	

JAIPUR DEVELOPMENT AUTHORITY JAIPUR

TECHNICAL BID (POTENTIAL ASSESSMENT)

Envelop-1

FOR
Shifting and dismantling of existing HT/LT lines by erecting/laying
new lines at 100' Sector Road from Narain Paradise and at Railway
Line, Zone-16, Jaipur.

Period of Sale: -	FROM 28.08.15, 9.30 am TO 11.09.15, 6.00 pm
Date of receipt of the tender: -	UP TO 11.09.15, 6.00 PM
Date of opening of Technical bid: -	On 17.09.15 AT 1.30 PM at room no. 309 third floor, CCC building, Ramkishor Vyas Bhavan, Indra Circle, JLN marg, Jaipur.
Cost of tender: -	Rs. 305.76 Lacs
Completion period: -	06 Months

NAME OF AGENCY -----

EXECUTIVE ENGINEER (Elect.-II)
JDA, Jaipur.

JAIPUR DEVELOPMENT AUTHORITY JAIPUR

SPECIAL CONDITION OF THE CONTRACT FOR POTENTIAL ASSESSMENT OF CONTRACTORS

**Name of work:- Shifting and dismantling of existing HT/LT lines
by erecting/laying new lines at 100' Sector Road from Narain
Paradise and at Railway Line, Zone-16, Jaipur.**

Special conditions of contract for **POTENTIAL ASSESSMENT** 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 POTENTIAL ASSESSMENT would be as follow:

- (a) Two-envelope system would be adopted, for POTENTIAL ASSESSMENT.
 - **Envelop-1** being for Technical Bid and
 - **Envelop-2** being for Financial Bid.
- (b) The technical bid will be opened only of those bidders who have made on line payment of the tender fee, bid security and processing fee on or before 11.09.15 **up to 6.00** PM and whose VAT clearance certificate (Valid up to Six months back from the opening of Technical Bid) and copy of registration of contractor in required category are found to be in order.
- (c) The Technical Bid envelope-1 would be opened on the date 17.09.15 **at 1.30 PM** at Room No 309, CCC building, third floor, Ram Kishor Vyas Bhawan, Indira Circle, Jawahar Lal Nehru marg, Jaipur.
- (d) The Financial Bid envelope-2 would be opened only of those bidders who fulfill all the POTENTIAL ASSESSMENT criteria.

Note:-

If VAT clearance certificate is not applicable in any State then appropriate proof is to be enclosed by bidder with certificate which is applicable in place of VAT.

2.Criteria:

Criteria for POTENTIAL ASSESSMENT would be as follows:-

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

S.No.	Item	Quantity (1/3rd Quantities of G-Schedule)
1.	Major Item of Schedule - G for Electrical work	
A	HT Cable (11 KV & above)	1870 Mtr.
B	11 KV RMU	05 Nos.
C	LT Cable	11060 Mtr.

Note:-

- (i) The Bidder should enclose the certificate having quantities Financial year wise other wise 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 Govt. of India, State Govt., Union Territory, Govt. Undertakings, Autonomous Bodies shall only be considered.
- (b) The bidder should have completed at least one electrical nature work in last five financial year (including current year, if opted by the bidder) of value not less than 33.33% of the Estimated Cost of the work (bid cost) updated to present price level.

Notes:-

- (i) The starting & completion date of the work is to be in between above said financial year. If no then maximum work (70%) is to be completed in above said financial year.
- (ii) If bidder is submitted certificate having different components / nature of work then proper completion certificate of required similar nature component is to be enclosed.
- (c) The bidder should have achieved an annual financial turnover of at least 33.33 % of the Estimated Cost of the work (bid cost) in any one of last 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 five financial years & 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.
- (d) The bidder should give Affidavit to deploy the machinery and equipment as specified in Schedule – III, for the execution of this work.
- (e) Bid Capacity: Bidders who meet the minimum qualification criteria will be qualified only if available bid capacity is equal to or more than the total Bid value.

The available bid capacity will be calculated as under:

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

Where A = Maximum value of electrical engineering work executed in any one year during the last 5 financial years (updated to present 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

N = Number of year prescribed for completion of the work for which bids is invited. In present case value of N shall be 0.5.

B = Value, at present price level of existing commitments and on-going 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 Electrical Engineering Work in one Financial Year.
- (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 five years. The maximum value (updated at the present price level) of disputed amount claimed in the litigation / arbitration resulting from contracts executed in last five years shall be deducted from the calculated Bid Capacity of the bidder. The details shall be furnished in Schedule VI. **If schedule-VI is found blank then it will be treated as NIL.**

Note :-

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

(a)	For current year	1.00
(b)	For last year	1.00
(c)	For one year before	1.10
(d)	For two year before	1.21
(e)	For three year before	1.33
(f)	For four year before	1.46

3. Documentation :

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 five years in Schedule-II
- (c) Certificates from the concerned Engineer-In-Charge in support and verification of the information furnished in Schedule-II
- (d) Affidavit regarding machinery and equipment required for deployment, as detailed in scheduled-III.
- (e) Information regarding details of maximum value of electrical engineering works executed in any one year during the last five 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. **If it is found at any stage that the bidder hides his existing commitments than proper action will be taken as per RTPP act and Rules.**
- (g) Information regarding details of litigation or arbitration contracts to be furnished in schedule-VI. **If schedule-VI is found blank then it will be treated as NIL.**
- (h) Calculation of Bid capacity in schedule-VII.
- (i) Affidavit as per Annexure I.

4. Important:

- (a) The bidder must ensure that all the information required in the Documents is furnished by him complete 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 an affidavit 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 earnest money, tender fee, processing fee & VAT clearance Certificate and registration of contractor in required category it would be liable for rejection.
- (ii) Furnishing of incorrect or incomplete or concealment of any information required in the bid documents would render the bid liable for rejection.
- (iii) If all the copies enclosed in support and affidavit is not duly attested by Notary public/gazetted officer then bid of the bidder is to be rejected.

EXECUTIVE ENGINEER (Elect.-II)
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 five financial years:

S.no.	Year	Turnover
(1)		
(2)		
(3)		
(4)		
(5)		

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.

SCHEDULE - II

(Reference Clause 3b)

Detail of quantities of work executed during last five financial years

S. No.	Name of Work (with Agreement No. & Date)	Place (District/State)	Financial Year	Principal item of work	

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

To be given on Non-Judicial stamp
Paper of Rs. 10/- only, duly attested by
Notary Public

Schedule – III

[Reference Clause 3(d)]

AFFIDAVIT

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

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

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

SCHEDULE -IV
(Reference clause 3e)

DETAILS OF MAXIMUM VALUE ELECTRICAL ENGINEERING WORKS EXECUTED IN ANY ONE YEAR DURING THE LAST FIVE YEARS TAKING INTO ACCOUNT THE COMPLETED AS WELL AS WORKS IN PROGRESS

[illegible]

SCHEDULE - V
(Reference Clause 3f)

DETAILS OF EXISTING COMMITMENTS & ON-GOING WORKS TO BE COMPLETED IN NEXT ONE YEAR FROM DATE OF SUBMISSION OF BID

S. No.	Name of Work	Place and State	On going work			Existing Commitments	
			Cost of work	Cost of work Remaining to be executed	Value of remaining work at present price level as on updated @10% per year	Estimated cost (Rs. In lacs)	Value of present price level as on updated @10% per year

Remark: If it is found at any stage that the bidder hides his existing commitments than proper action will be taken as per RTPP act and Rules.

SCHEDULE -VI
(Reference clause 3g)

DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

[illegible]

Remark: If schedule-VI is found blank then it will be treated as NIL.

SCHEDULE-VII
(Reference Clause 3 h)
BID CAPACITY

Name of bidder :-----

<u>1.</u>	<u>A = Maximum value of Electrical Engineering work executed in any one year during the last five finance years (Updated to present price level)</u>	-----Lacs	Certified details enclosed at Page no.....
<u>2</u>	<u>N = Number of years prescribed for completion of the work, for which bids are invited</u>	-----Year	
<u>3</u>	<u>B= Value, at present price level of existing commitments and on going work to be completed during the N period</u>	-----Lacs	Certified details enclosed at Page no.....

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

$$= \text{-----Lacs}$$

ANNEXURE- I

[Reference Clause 3(i)]

To be given on Non-Judicial stamp
Paper of Rs. 10/- only, duly attested by
Notary Public

AFFIDAVIT

I/We..... Proprietor/ Partner/
Authorized signatory of M/s under take the
oath that the information furnished by me/us in schedule I to VII 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
.....



JAIPUR DEVELOPMENT AUTHORITY

Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.

Financial Bid

EXECUTIVE ENGINEER (Elect.-II)
JAIPUR DEVELOPMENT AUTHORITY,
JAIPUR

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

FINANCIAL BID POTENTIAL ASSISMENT

Envelop-2

(G-SCHEDULE IS PROVIDED IN EXCEL FILE)

For

Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.

Date of online Sale : 28.08.15, 9.30 am to 11.09.15, 6.00 pm

Date of online receipt : 28.08.15, 9.30 am to 11.09.15, 6.00 pm

M/s:

Note- Digital signature is valid in all documents.

Executive Engineer (Elect-II)
JDA, Jaipur

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.

CONTENTS OF BIDDING DOCUMENT

S.No.	Details	Page No.
1.	General Instructions to contractors	3-6
2.	Special Condition for post qualification	7-10
3.	Special condition of contract	11-14
4.	Inspection and testing	15-17
5.	Minimum Safety rules	18-22
6.	Guarantee	23-24
7.	Erection testing and commissioning	25-34
8.	GTP to RMU	35

1-GENERAL INSTRUCTIONS TO CONTRACTOR

- 1.1 The Bidder is expected to examine carefully all instructions, conditions, forms, terms, and performance specification and drawing in the bid Documents. Failure to comply with the requirements of Bid submission shall be at the Bidder's own risk, Bids Which are not substantially responsive to the requirements of the bid documents shall be summarily rejected.
- 1.2 At any time prior to the last date for submission of bids, the Employer may, for any reason whether at his own initiative or in response to a clarification requested by a prospective bids, modify the bid Documents but the issuance of an Addendum.
- 1.3 The Addendum will be sent in writing or by Fax prospective Bidder who have received Documents, and will be binding unto them, whether the prospective Bidders acknowledge same or not.

2 DOCUMENTS AND INFORMATION TO BE FURNISHED AT THE TIME OF BID SUBMISSION

- 2.1 The bid to be prepared and submitted by the Bidder to the Employer for consideration shall comprise the following.
 - a Form of bid duly singed along with the complete set of bid Documents. All documents issued for the purpose of bidding as descried shall be deemed to have been incorporated in the bid for the work.
 - b Bid security, Bid fee and processing fee as applicable in form of demand draft of any Nationalised Bank of India in favour of the Secretary Jaipur Development Authority Jaipur', payable at Jaipur.
 - c Sales Tax Clearance Certificate from the concerned departments
 - d Bill of Quantities with the rates (both in figures as well as in words) and amounts for, all items of work duly filled in.

3. BIDED PRICES

- 3.1 Unless explicitly stated otherwise in the Bid Documents, the contract shall be for whole based on the departmental design, Bill of Quantities, rates and prices submitted by the Bidder.
- 3.2 The Bid shall fill in percentage rate (above/below) for the scheduled rates items and rates and rates and prices for all items in Non scheduled category of works describe in

the Bill of Quantities in both figures and words, In case, there is any discrepancy in the rates quoted in figures and words, the rates, quoted in words shall be taken as correct. Item against which no rate of rate is entered by the Bidder will not be paid for the employer when executed and shall be deemed to have been covered by the rates and prices in the Bill of Quantities.

- 3.3 All duties, taxes, fees and other levies (present and future) payable by the contractor under the Contract, or for any other cause, and on the date thirty days prior to the closing date for submission of bids, shall be included in the total Contract Price submitted by the Bidder and the evaluation and comparison of bids by the Employer shall be made accordingly.

4 BID SECURITY

- 4.1 The Bidder shall furnish as part of his bid security for the respective amounts as mentioned in the NIT (Annexure 1 and 2). The amount is to be deposited online by bidder. In case the amount exceeds the online payment limit, the payment may be made through RTGS/NEFT in ICICI BANK LTD Bank Account Number 675401700586 IFSC Code ICIC0006754. After successful payment, update the UTR/Instrument number on JDA Tender portal against the tender you want to participate. The amount deposited will be confirmed by JDA and will be updated online.
- 4.2 Any bid not accompanied by bid security, bid fee and processing fee will be summarily rejected by the employer as non-responsive.
- 4.3 The bid security of the unsuccessful Bidder will be discharged/returned without interest as promptly as possible as but not later than 60 days after expiry of the bid validity prescribed by the employer.
- 4.4 The bid security of the successful Bidder will be discharged without interest upon the Bidder signing the agreement and furnishing the Bank Guarantee/ Surety Bond for the performance of the Contract.
- 4.5 There will no liability on the part of department towards interest on the Earnest Money paid by the Bidder.
- 4.6 The bid security shall be forfeited:
- a If a Bidder withdraws his bid during the period of bid validity, or
 - b In the case of a successful Bidder, if he fails or refuses within the specified time limit, to:
 - i Sign the agreement, or

- ii Furnish the required performance security.

5 VARIATIONS OR DEVIATIONS IN BID DOCUMENTS

- 5.1 The bid shall submit an offer which complies fully with the basic requirements of the bid Documents as indicted in Drawing and Specifications.
- 5.2 All Bidders are cautioned that no conditional offers, variations or deviations by the Bidders in respect of any items proposed by the Bidder shall be entertained or considered further in the process of bid evaluation. Furthermore, any deviation from contract conditions, specification, or other requirements stipulated in these Bid Documents shall be summarily rejected as non-responsive.

6 VALIDITY OF BID

- 6.1 The Bid shall remain valid and open for acceptance for a period of 4 (four) months from the bid submission deadline.
- 6.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request the Bidder for a specified extension in the period of validity. The request and the responses thereto shall be made in writing through post, fax etc. A Bidder may refuse the request without forfeiting his bid security. A Bidder agreeing to the request will neither be required nor permitted to modify his bid, but will be required to extend the validity of his bid security correspondingly The provision of Clause D regarding discharge and forfeiture of earnest money shall continue to apply during the extended period of bid validity.

7 FORMAT AND SIGNING OF BIDS

The complete bid shall be without alterations, interlineations or erasure, except those to accord with instructions issued by the Employer or as necessary to correct errors made by the Bidder, in which case such corrections shall be initiated by person or persons signing the bid.

8 EMPLOYER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

Notwithstanding, Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject one or all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected or renderer's or any obligation to inform the affected Bidder or Bidders of the grounds of the Employer's action.

9 NOTIFICATION OF AWARD OF CONTRACT

Prior to the expiry of the period of bid validity prescribed by the Employer, the Employer will notify the successful Bidder by telegram / cable or fax (and subsequently confirm in writing by Registered Letter) that his bid has been accepted. This letter called “Letter of Acceptance” shall name the sum which the Employer will pay to the Contractor in consideration of the execution, completion and maintenance of the work by the Contractor as prescribed by the Contract (called the “Contract Price”).

10. The Letter of Acceptance will form part of the Contract and agreement executed between the parties in accordance with the Form of agreement provided in the bid.
11. Upon furnishing by the successful Bidder of a Performance Security in accordance with the provisions of the special conditions of contract, the Employer will promptly notify the unsuccessful Bidder that their bids have been unsuccessful and will discharge / return without interest their bid security deposits in pursuance with Clause.

12 SIGNING OF AGREEMENT

At the same time as he notifies the successful Bidder that his bid has been accepted, the Employer will instruct the successful Bidder to sign and execute the agreement within seven (7) days of issue of the Letter of Acceptance.

Signature of Contractor/Bidder

Executive Engineer (Elect-II)

J.D.A., Jaipur

2-SPECIAL CONDITION FOR POST QUALIFICATION

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. I 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 with 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.

- 8 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 of Contractor/Bidder

Executive Engineer (Elect-II)
J.D.A.,Jaipur

3.SPECIAL CONDITIONS

SCHEDULE 'H'

1. If there is any typographical error or otherwise in the 'G' Schedule the rate given in the relevant BSR on which Schedule 'G' has been prepared, shall prevail.
2. The contractor shall follow the contractor labour regulation and abolition Act 1970 & Rule1971.
3. The JDA shall have right to cause an audit technical examination of the work and the final bills of the contractor including all supporting vouchers, abstract etc. to be made within two years after payment of the final bills and if as a result such audit any amount is found to have been over paid / excess in respect of any work done by the contractor under the contract or any work claimed by him to have been done under this contract and found not to have been executed the contractor shall be liable to refund such amount and it shall be lawful for the JDA to recover 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 contractor was paid less then that was due to him under the contract in respect of work executed by him under it, the amount of such under payment shall be paid by the JDA to the contractor.
4. The contractor shall not work after the sunset and before sunrise without specific permission of the authority Engineer.
5. Wherever any claim against the contractor 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 security deposit of the contractor, In the event of the security being insufficient or if no security has been taken from the contractor then the balance of the total sum recoverable as the case may shall be deducted from any sum then due or which at any time there contract with the JDA should this sum be sufficient to recover the full amount recoverable. The contractor 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.
6. The rate quoted by the contractor shall remain valid for a period of 4 (Four) months from the date of opening of the bids.
7. By submission of this bid the contractor agree to abide with all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.

8. No conditions are to be added by the contractor and conditional bid is liable to be rejected.
9. All transaction in this execution of this work and this bid will be liable to Sale-Tax vide section. 2(B) read with sub-clause (4) Sale-tax Rule, 1954.
10. If any bidder withdraws his bid prior to expiry of said validity period given at S.No. 7 or mutually extended period or makes modifications in the rate, terms and conditions of the bid within the said period which are not acceptable to the department or fails to commence the work in the specified period, fails to execute the agreement and fails to furnish performance guarantee the department shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of earnest money given in any form absolutely. If any contractor, who having 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 6 Months from participating of bidding in JDA in addition to forfeiture of Earnest Money / Security Deposit and other action under agreement.
11. The contractor shall arrange his own machinery required for the work such as Bitumen Mixer, Hot Mix plants and paver, road roller, Tar boiler, sprayer etc.
12. The contractor shall arrange his own storage tanks up to 10 Tones capacity for storage of bulk bitumen wherever supplied by the department.
13. Rules regarding enlistment of contractor provide that work up to the times limit for which they are qualified for bidding can be allotted to them, Therefore, before bidding the contractor will keep this in mind, and submit the details of the work. Bids with incomplete or incorrect information are liable to be rejected.
14. Any material not conforming to the specifications collected at site have to be removed by the contractor 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 contractor after expiry of 3 days period.
15. The material collected at site and paid provisionally shall remain under and ward of the contractor till it is consumed, fully on the work.
16. The rates provided in bid documents are inclusive of all Taxes and royalty.
17. For paver work at least 3 road rollers shall be simultaneously deployed.
18. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule Source/borrow pit area for earth shall have to be arranged by the Contractor at his own cost.

19. Undersigned has full right to reject any or all bids without given any reasons.
20. Mortar of Masonry work and lean concrete will be permitted mixer with hopper.
21. As per 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 act.
22. Special Conditions of Contract regarding Defect Liability Period (DLP) for Roads works costing Rs. 25.00 lacs and more shall be applicable
23. The bidders are required to submit copy of their enlistment as contractor.
24. Conditions of RPWA-100 will be mandatory & acceptable to the contractor.
25. Any bid received with unattested cutting/ overwriting in rates shall be rejected and such bidder will be debarred from bidding for three months in JDA.
26. All the **provision of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules, 2013 will be applicable. If there is any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013 provision of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013 shall be applicable.**
27. If any bidder quotes a rate below than the Schedule "G" rates, i.e. rates below than at par, then the bidder has to deposit the difference amount i.e. amount between the rates as per at par and below, as work performance guarantee. This amount has to be deposited before the commencement of work and will be refunded after successful completion of work. Lowest bidder will be issued LOA (Letter of Acceptance) and within 7 days period he has to deposit difference amount in the form of BG/FDR/NSC. The validity of these shall be for a period three months beyond the stipulated date of completion/ actual date of completion. In case of non deposition of the same in specified period the 2% Bid security will be forfeited. In case work is not completed satisfactorily. The work performance security will be forfeited along with Bid security.

SIGNATURE OF CONTRACTOR
WITH FULL ADDRESS:

EXECUTIVE ENGINEER (Elect.-II)
JDA JAIPUR

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Special Terms & Conditions for Electrification work.

1. 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
2. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority.
3. The contractor will coordinate for the system handing over and charging process and if any defects, is pointed out by the RSEB/JVVNL, then he will have to rectify the same.
4. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL and system is charged.
5. Inspection shall be bear by the contractor it self.
6. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL.
7. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
8. The contractor shall return unused material issued to him by the deptt. If desired by the Engineer in-charge and in case, of failure to do so he shall be charged for such unreturned material at double the issue rate including storage and supervision charges or the market rate whichever is higher. The basis of the theoretical consumption and allowing for wastage @ 5% at double the issue rate including storage and supervision charges or market rate which ever is higher.
9. **The contractor shall be fully responsible to follow safety code as per IS 3764:1992 (upto date). The work should be executed without damaging existing water pipe line, LT/HT electric under ground cable, poles, existing surface drain, water connections, Telephone cables etc. In case of any damages the penalty/ liability imposed for such work shall be borne by the contractor and shall be got repaired immediately by arranging material/ labor/ assistance etc. In case of delay JDA reserve right to execute/ get executed the work at the cost and risk of the contractor.**
10. It is a mandatory condition that contractor will get all insulated material tested from CTL of JVVNL before using it at site.

Executive Engineer (Elect-II)

JDA, Jaipur.

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

Signature & Seal of the Contractor

4-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-II)

J.D.A., Jaipur

5-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-II)

J.D.A., Jaipur

6-Guarantee

1. General

The guarantee is applicable for the performance of individual equipment as well as overall performance of the Project.

In case of any contradiction given in this section with respect to those mentioned elsewhere in this document the below mentioned clauses shall prevail.

2. Manufacturer's Guarantees

The manufacturer's guarantee for design, workmanship and performance for all bought out items shall be made available to the owner and shall be valid at least for the entire defects liability period. In the event of failure of any particular equipment which fails more than three times during the guarantee period as mentioned in clause below, the contractor shall replace at his own cost that equipment. Manufacturer's / Contractor's guarantee, for such replaced equipment shall also be made available to the Owner and should be kept at least for one year from the date of last replacement.

3. Performance Guarantee for Electrical Systems

The Contractor shall give guarantee for a period of one year from the date of successful commissioning of the Electrical system against design, defective materials, workmanship and performance. **The contractor shall give guaranteed for HV and MV Panel and performance, quality of cables, luminaries, DB's, Utility sockets as indicated in the bid and as agreed between the owner and contractor before award of contract.** Any defects found in the workmanship, materials or performance of the unit shall be made good by the Contractor at his own expense within the time specified by Engineer-In-Charge.

In case the parameters vary from what is required, the Contractor shall rectify the equipment at no extra cost so as to achieve the requisite performance guarantee and satisfy commissioning of the equipment to the Engineer-In-Charge. In case the Contractor fails to achieve any of the aforesaid guarantees he will be penalized by an amount as per rule up to 10% (ten percent) of the total contract value. For this purpose any money due to the Contractor shall be forfeited and adjusted against such penalty.

4. Equipment Guarantee

The Contractor shall guarantee for the period of one year from the date of successful commissioning of the Electrical System against defective performance of all equipment / instruments / mechanical or electrical parts under Contractor's scope of

supply. Any defects found either in materials or workmanship shall be made good by the Contractor at his own expense within the time specified by the Engineer-In-Charge.

5. Testing and Trial Run

The contractor shall have to try test each process equipment used for the Electrical System for about 48 hours continuous running to the full satisfaction of the Engineer-In-Charge. After satisfactory testing of the individual equipment, the Contractor shall run the whole Electrical System at no extra cost to the owner for at least 30 days as directed by the Engineer-In-Charge and ensure the treated waste water quality. Necessary instruments, gauges, supervisory personnel etc. shall be furnished / provided by the Contractor free of cost for conducting the trial runs.

6. Commissioning and Handing Over

During trial runs as described above, the Contractor shall satisfy the Engineer-In-Charge in all respects regarding the satisfactory quality of materials; equipment and workmanship used in the Electrical System and guaranteed parameters. Only after satisfying himself, regarding the above points, the Engineer-In-Charge will issue the completion certificate and take over the Electrical System and such date of taking over shall be deemed as date of commissioning. The Defects Liability Period described above will start from this date.

Signature of Contractor/Bidder

Executive Engineer (Elect-II)
J.D.A., Jaipur

7-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, cutouts 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, cutouts 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 activates listed below shall be carried out to make the Electrical System ready for Commissioning.

6.2 Upon completion of erection of each piece of equipment, facility or discrete part of the Electrical System, Electrical checks and tests shall be carried out according to the Contractor's checklist. The Electrical checks and tests shall be to establish that.

(a) The Electrical System is erected in accordance with the Contractor's construction drawings, pipe work drawings, instrument diagrams, etc. issued for the Electrical System.

(b) The materials are installed and electrically function in accordance with the Contract and

(c) Applicable codes as listed in the Contract are followed for materials and workmanship.

6.3 Items such as painting, thermal insulation and final clean up which do not materially affect the operation or safety of the Electrical System will be excluded. All these items shall be listed and completed after the Pre-commissioning or Commissioning at the discretion of the Contractor, but before acceptance.

6.4 The Contractor shall prepare and maintain at Site test forms and records that shall include:

(a) Description of type of test or check

(b) Date and time of test or check

(c) Identification of equipment and facilities

(d) Test pressure, test data and results, including remarks, if any

(e) Signature of the Contractor's personnel attesting to data recorded, if any.

The Contractor's construction forces thereof shall carry out checks, tests and recording.

6.5 Wherever the Owner's witness or attesting of the check or test is required, the Owner's personnel shall attend such check and test. For this purpose, the Contractor shall keep the Owner informed of a day-to-day test plan schedule. The test plan

schedule may be revised from time to time to reflect the actual progress of the work and test.

- 6.6 Any items found incomplete or requiring repair or adjustment shall be marked as such on the test records and then reported by the Contractor to the Owner and the Contractor's personnel in charge of the relevant construction area.
- 6.7 Checking procedures shall be repeated until all the items on the checklist are cleared
- 6.8 A complete set of test records shall be handed over to the Owner on completion.
- 6.9 The tests on the different Mechanical and Electrical equipment shall include but not limited to:
- (a) Pump motors
Condition of winding insulation be tested and insulation values shall be restored to required level by suitable heating arrangements locally.
 - (b) MV Switch board / Power Distribution Boards
 - (i) Checking of all internal wiring for correctness as per supplier's drawings.
 - (ii) Insulation resistance test.
 - (iii) CT Polarity Test / PT Ratio Test.
 - (iv) Operational check of instruments and testing of relays by primary / secondary injection.
 - (v) Phase sequence test.
 - (vi) Functional simulation test.
 - (vii) Local & Remote Operation.
 - (c) Power and Control Cables
 - (i) All cores of cables shall be tested individually for continuity and insulation resistance with earth/sheath/armour as well as between the cores, before as well as after installation.
 - (ii) Pressure test as per relevant IS will be carried out on all 11 kV cables together with joints.
 - (d) Distribution Boards / Switch Socket Outlets
 - (i) Checking of wiring as per drawing.
 - (ii) Insulation resistance.
 - (iii) Functional test.

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

7. COMMISSIONING

7.1 After the completion of Pre-commissioning activities the final checks and preparations necessary for start-up of the Electrical System shall be carried out. The Contractor shall submit to the Owner a written Notice of Electrical Completion that shall include:

- (a) Identity of a part of the Electrical System considered electrically complete
- (b) A copy of relevant completed test reports
- (c) The date on which the completion of the tests was achieved
- (d) Check list and
- (e) A request for issuance of a Electrical Completion Certificate in respect of that part.

7.2 Within fourteen (14) days from the date of receipt of the Contractor's written Notice, the Owner shall:

- (a) In the case of acceptance, issue a Electrical Completion Certificate
- (b) In the case of Objection, submit a rejection Statement setting forth remaining items to be completed or defects or 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 running –

- (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) Fulfillment 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.

Signature of Contractor/Bidder

Executive Engineer (Elect-II)

J.D.A., Jaipur

8-GTP of RMU

Electrical/Mechanical data.-12 Kv-28Kv-1min

Nominal voltage: 11kV

Rated frequency: 50 Hz

Rated current bus bars: 630 A

Rated current cable switch disconnecter: 630 A

Short time withstand current:

Cable time withstand current:

Cable switch disconnecter with interface C (400-bolt) bushing: 20 kArms 3 sec.

Vacuum circuit breaker with interface C (400-bolt) bushing: 20 kArms 3 sec.

Rated current for transformer T-off: 630 A

Impulse withstand voltage:

To earth and between phases: 75 kV

Insulation Level:

Power frequency 1 min: 28 KV

Metal Enclosed Switchgear:	IEC 62271-200
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General Purpose switches	IECd 60265-1
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Disconnectors and Earthing switches	IEC 62271-102
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Circuit Breakers:	IEC 62271-100
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Common Clasues:	IEC 60694
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Pressure of SF6 gas:	1.4 bar at 20c
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Cable bushings:	DIN 47636
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Temperature class	-25c-+50c outdoor
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Degree of protection:

SF6 tank:	IP 67
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Cable cover:	IP 2X
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Cable cover:	IP 3X
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Earth bar (external):	Min 240 mm ² Cu
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Bolt Dimension:	Min 120 mm ² Cu-
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Protection:	M10
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and F/F	Self powered Relay O/C
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Enclosure:	IS 632
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Detailed JVVNL specifications are required to be followed.

Annexure A : 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 procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit the 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 behaviour 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 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.

- i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a 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 is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.

Annexure B : 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 Entity;
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 proceeding for any of the foregoing reasons;
4. I/We do not have, and our directors and officers not have, been convicted of any criminal offence 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 bidder

Place :

Name :

Designation :

Address :

Annexure C : Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is **Executive Committee, JDA, Jaipur**

The designation and address of the Second Appellate Authority **ACS/PS, UDH, GOR, Jaipur.**

- **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 thereunder, 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 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) Appeal 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 need of procurement;
- (b) Provisions limiting 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 Appeal

(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 First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing appeal

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

(b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

(a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

(b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-

(i) Hear all the parties to appeal present 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 the copy of 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.

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

Annexure D : Additional Conditions of Contract

- **Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during 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) 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 in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (ii) On repeat order for extra items for additional quantities may be placed if it is provided in the bidding documents on the rates and conditions given in the contract, if the original order was given after inviting open competitive bids. Delivery or completion period may also be proportionately increase. The limits of repeat order shall be as under.

- (a) 50% of the qty of the individual items and 50% of the value of original contract in case of works and
- (b) 50% of the value of goods or services of the original 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, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Annexure

Bank Guarantee Format – Performance Security

(To be stamped in accordance with Stamp Act and on a Stamp Paper purchased from Rajasthan State only and to be issued by a Nationalized/ Scheduled bank having its branch at Jaipur and payable at par at Jaipur, Rajasthan)

To:

Executive Engineer (Elect.-PRN),
Jaipur Development Authority, Jaipur

1. In consideration of the Executive Engineer (Elect.-PRN), [Procuring Entity] (hereinafter called "JDA") having agreed to exempt M/s(hereinafter called "the said Contractor(s)" from the demand, under the terms and conditions of an Order No.....dated for the work(hereinafter called "the said Agreement") of Security Deposit for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs.....(rupeesonly), we(indicate the name of the Bank), (hereinafter referred to as "the Bank") at the request ofContractor(s) do hereby undertake to pay to the JDA an amount not exceeding Rs.....(Rupees.....only) on demand.
2. We..... (Indicate the name of Bank), do hereby undertake to pay Rs..... (Rupees.....only), the amounts due and payable under this guarantee without any demur or delay, merely on a demand from the JDA. Any such demand made on the bank by the JDA shall be conclusive as regards the amount due and payable by the Bank under this guarantee. The Bank Guarantee shall be completely at the disposal of the JDA and We..... (Indicate the name of Bank), bound ourselves with all directions given by JDA regarding this Bank Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We.....(indicate the name of Bank), undertake to pay to the JDA any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator etc. relating thereto, our liability under these presents being absolute, unequivocal and unconditional.
4. We.....(indicate the name of Bank) further agree that the performance guarantee herein contained shall remain in full force and effective up to <DATE> and that it shall continue to be enforceable for above specified period till all the dues of JDA under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the JDA certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We(indicate the name of Bank) further agree with the JDA that the JDA shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the JDA against the said Contractor(s) and to forebear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such

variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the JDA or any indulgence by the JDA to the said Contractor(s) or by any such matter or thing whatsoever which would but for this provision, have effect of so relieving us.

6. The liability of us..... (Indicate the name of Bank), under this guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We..... (Indicate the name of Bank), lastly undertake not to revoke this guarantee except with the previous consent of the JDA in writing.
8. This performance Guarantee shall remain valid and in full effect, until it is decided to be discharged by the JDA. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees.....only).
9. It shall not be necessary for the JDA to proceed against the contractor before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the JDA may have obtained or obtain from the contractor.
10. We..... (indicate the name of Bank) verify that we have a branch at Jaipur.
11. We undertake that this Bank Guarantee shall be payable at any of its branch at Jaipur. If the last day of expiry of Bank Guarantee happens to be a holiday of the Bank, the Bank Guarantee shall expire on the close of the next working day.
12. We hereby confirm that we have the power(s) to issue this guarantee in your favour under the memorandum and articles of Association/constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power(s) and has/have full power(s) to execute this guarantee for the power of attorney issued by the bank.
13. The amount covered under the above Bank Guarantee shall automatically be credited in the accounts of JDA in **ICICI Bank, JDA Campus, Jaipur through ISFC code No. ICICI0006754 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 written for its release.

Date (Signature) Place

(Printed Name) (Designation)

(Bank's common seal)

In presence of:

WTTNESS (with full name, designation, address & official seal, if any)

(1)

(2)

Bank Details :

Name & address of Bank :

Name of contact person of Bank: Contact telephone number:

GUIDELINES FOR SUBMISSION OF BANK GUARANTEE "The Bank Guarantee shall fulfill the following conditions in the absence of which they cannot be considered valid: -

1. Bank Guarantee shall be executed on non- judicial stamp paper of applicable value purchased in the name of the bank.
2. Two persons should sign as witnesses mentioning their full name, designation, address and office seal (if any).
3. The Executor (Bank Authorities) may mention the power of attorney No. and date of execution in his/her favour authorizing him/ her to sign the document. The Power of Attorney to be witnessed by two persons mentioning their full name and address.
4. The Bank Guarantee should be executed by a Nationalised Bank/ Scheduled Commercial Bank only.
5. Non – Judicial stamp paper shall be used within 6 months from the date of Purchase of the same.
6. Bank Guarantee executed on the non-judicial stamp paper after 6 (six) months of the purchase of such stamp paper shall be treated as non-valid.
7. The contents of Bank Guarantee shall be strictly as per format prescribed by JDA.
8. Each page of Bank Guarantee shall bear signature and seal of the Bank and B.G. number.
9. All corrections, deletions etc. in the Bank Guarantee should be authenticated by signature of Bank Officials signing the Bank Guarantee.
10. The validity of the Bank Guarantee shall be kept 90 days beyond the contract period.
11. Bank should separately send through registered post/courier a certified copy of Bank Guarantee, mentioning Bid reference, Bid title and bidder name, directly to the Purchaser at the following address:

To:

Executive Engineer (Elect.-PRN),
Jaipur Development Authority, Jaipur

Annexure

Bank Guarantee Format Work Performance Guarantee against Tender Premium Difference

(To be stamped in accordance with Stamp Act and on a Stamp Paper purchased from Rajasthan State only and to be issued by a Nationalized/ Scheduled bank having its branch at Jaipur and payable at par at Jaipur, Rajasthan)

To:

Executive Engineer (Elect.-PRN),
Jaipur Development Authority, Jaipur

1. In consideration of the Executive Engineer (Elect.-PRN), [Procuring Entity] (hereinafter called "JDA") having agreed to exempt M/s(hereinafter called "the said Contractor(s)" from the demand, under the terms and conditions of an Order No.....dated for the work(hereinafter called "the said Agreement") for work performance guarantee against Tender Premium Difference (amount between the rates as per at par of "G" Schedule of the Bid and below) for the due fulfillment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs.....(rupeesonly), we(indicate the name of the Bank), (hereinafter referred to as "the Bank") at the request ofContractor(s) do hereby undertake to pay to the JDA an amount not exceeding Rs.....(Rupees.....only) on demand.
2. We..... (Indicate the name of Bank), do hereby undertake to pay Rs..... (Rupees.....only), the amounts due and payable under this guarantee without any demur or delay, merely on a demand from the JDA. Any such demand made on the bank by the JDA shall be conclusive as regards the amount due and payable by the Bank under this guarantee. The Bank Guarantee shall be completely at the disposal of the JDA and We..... (Indicate the name of Bank), bound ourselves with all directions given by JDA regarding this Bank Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We.....(indicate the name of Bank), undertake to pay to the JDA any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator etc. relating thereto, our liability under these presents being absolute, unequivocal and unconditional.
4. We.....(indicate the name of Bank) further agree that the performance guarantee herein contained shall remain in full force and effective up to <DATE> and that it shall continue to be enforceable for above specified period till all the dues of JDA under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the JDA certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We(indicate the name of Bank) further agree with the JDA that the JDA shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for

any time or from time to time any of the powers exercisable by the JDA against the said Contractor(s) and to forebear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the JDA or any indulgence by the JDA to the said Contractor(s) or by any such matter or thing whatsoever which would but for this provision, have effect of so relieving us.

6. The liability of us..... (Indicate the name of Bank), under this guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We..... (Indicate the name of Bank), lastly undertake not to revoke this guarantee except with the previous consent of the JDA in writing.
8. This Guarantee shall remain valid and in full effect, until it is decided to be discharged by the JDA. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees.....only).
9. It shall not be necessary for the JDA to proceed against the contractor before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the JDA may have obtained or obtain from the contractor.
10. We..... (indicate the name of Bank) verify that we have a branch at Jaipur.
11. We undertake that this Bank Guarantee shall be payable at any of its branch at Jaipur. If the last day of expiry of Bank Guarantee happens to be a holiday of the Bank, the Bank Guarantee shall expire on the close of the next working day.
12. We hereby confirm that we have the power(s) to issue this guarantee in your favour under the memorandum and articles of Association/constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power(s) and has/have full power(s) to execute this guarantee for the power of attorney issued by the bank.

Date (Signature) Place
(Printed Name) (Designation)
(Bank's common seal)

In presence of:

WTTNESS (with full name, designation, address & official seal, if any)

(1)

(2)

Bank Details :

Name & address of Bank :

Name of contact person of Bank: Contact telephone number:

GUIDELINES FOR SUBMISSION OF BANK GUARANTEE "The Bank Guarantee shall fulfill the following conditions in the absence of which they cannot be considered valid: -

1. Bank Guarantee shall be executed on non- judicial stamp paper of applicable value purchased in the name of the bank.
2. Two persons should sign as witnesses mentioning their full name, designation, address and office seal (if any).
3. The Executor (Bank Authorities) may mention the power of attorney No. and date of execution in his/her favour authorizing him/ her to sign the document. The Power of Attorney to be witnessed by two persons mentioning their full name and address.
4. The Bank Guarantee should be executed by a Nationalised Bank/ Scheduled Commercial Bank only.
5. Non – Judicial stamp paper shall be used within 6 months from the date of Purchase of the same.
6. Bank Guarantee executed on the non-judicial stamp paper after 6 (six) months of the purchase of such stamp paper shall be treated as non-valid.
7. The contents of Bank Guarantee shall be strictly as per format prescribed by JDA.
8. Each page of Bank Guarantee shall bear signature and seal of the Bank and B.G. number.
9. All corrections, deletions etc. in the Bank Guarantee should be authenticated by signature of Bank Officials signing the Bank Guarantee.
10. The validity of the Bank Guarantee shall be kept 90 days beyond the contract period.
11. Bank should separately send through registered post/courier a certified copy of Bank Guarantee, mentioning Bid reference, Bid title and bidder name, directly to the Purchaser at the following address:

To:

Executive Engineer (Elect.-PRN),
Jaipur Development Authority, Jaipur

AGREEMENT NO.

Year

Circle

Division

Subdivision... ..

Name of work.....

Name of Contractor.....

Sanction NoDt.....Rs.....

Technical Sanction No.....

Job No.....

(a) Stipulated Date of start of work

(b) Stipulated Date of Completion of work.....

(c) Actual Date of Completion

Extension applied on & sanctioned

Vide : C.E./S./E.E. No Dt..... 200

Details of Documents Page

Page

(a) Percentage Rate Tender R.P.W.R. 100

(See rule-322 & note 1 below rule 331)

(b) Schedule A to F

(c) Schedule H

(d) Schedule G

(e) Schedule

(f) General Specification and Conditions of Contract

(g) Contractor's Labour Regulations

(h)

(i)

No.

Date

Copy forwarded to : 1. The Accountant General. Rajasthan, Jaipur/Chief Accounts Officer

2. The Superintending Engineer

3. The Divisional Accountant/ Divisional Accounts Officer/ Sr. DAO

4. The Assistant Engineer/ JEN

5. Auditor .

6. Shri..... Contractor

7 M/s

Amended up to 25-9-13

GOVERNMENT OF RAJASTHAN OFFICE
OF THE.....
NOTICE INVITING TENDERS FOR WORKS

1. Tenders are hereby invited on behalf of the Governor of Rajasthan for the works of..... from enlisted contractors of the appropriate class. Contractors enlisted with the CPWD, Postal, Telecom, Railway, MES, other State Government/Central Government Undertaking/Organisations equivalent to AA and A Class of Rajasthan are also eligible after giving prescribed Earnest Money to tender for works as under;
 - (i) Contractor equivalent to AA Class of Rajasthan. Works of which cost exceeds Rs. 1.5 crores
 - (ii) Contractor equivalent to A Class of Rajasthan. Works of which cost exceeds Rs. 7.5 crores but not exceed Rs. 3.00 crores.
2. Contract document consisting of the detailed plan, complete specifications, the Schedule of the quantities of the various classes of work to be done and the set of Condition of Contract to be complied with by the persons whose tender may be accepted, which will also be found printed in the form of tenders, can be seen at the office of the..... (name of the officer) every day except on Sundays and Public Holidays, during office hours.
3. Tenders, which should always be placed in sealed covers with the name of the work written on the envelopes will be received by the..... (name of the officer) upto..... am/pm (time) on the..... (date) and will be opened by him in his office at am/pm (time) on..... (date) in the presence of such Contractors or their authorised representatives, as are present.
4. Tenders are to be submitted on a prescribed form, which can be obtained from the office (s) of the..... (name of the officer(s)) on payment of a sum of Rs. in cash or by demand draft. The sale of tenders will start at least..... days before the date of receipt of tenders. The sale of tenders will be closed one day before actual time of receipt of tender. Before submitting tenders, it should be ensured that all the tender papers including Conditions of Contract are signed by the tender. Eligibility to get tender forms shall be with reference to the amount mentioned in the NIT.
5. The work is to be completely finished to the satisfaction of Engineer-in-charge within..... months from the 1st day after the date of written order to commence the work.
6. Earnest Money, amounting to Rs. must accompany each tender, and each tender is to be in a sealed cover, superscribed "Tender for....." and addressed to the (name of the officer) Earnest Money, in cash or Bankers Cheque in the name of officer inviting tender or Demand Draft of Nationalised/Scheduled Banks, should be deposited with the cashier or authorised clerk and his receipt should be attached with tenders. In case of tenders for works of which tendered cost in Rs. 5 crores and above, Earnest Money of Rs. 10 Lac. shall be accepted in cash as above and remaining part of Earnest Money can be accepted either in the form of Bank Guarantee (Form RPWA 87) or in cash. Enlisted contractors shall be required to deposit 1% of estimated cost of work as Earnest Money while tendering within their enlistment zone. For outside their zone, 2% Earnest Money shall be required to be deposited.
7. The security deposit @ 10% of the gross amount of the running bill shall be deducted from each running bill, and shall be refunded as per rules on completion of the contract as per terms and conditions. However, the amount of security deposit deducted from running bills shall not be converted into, any mode of securities like bank guarantee, FDR etc. The earnest money deposited shall however be adjusted while deducting security deposit from first running bill of the contractor. There will be no maximum limit of security deposit.

However, a contractor may elect to deposit full amount of 10% security deposit in the shape of bank guarantee or any acceptable form of security before or at the time of executing agreement. In that case earnest money may be refunded only after deposition of full 10% as above. However, in case during execution cost of works exceeds as shown at the time of depositing 10% as above, balance security deposit shall be deducted from the Running Account Bills."
8. The acceptance of the tender will rest with the Competent Authority who does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all the tenders received without assigning any reason.
9. Tender forms as issued from the office (s) mentioned above (Para 4), must be returned, with be returned, with all enclosures, to the following office/officers, on the date of receipt of tenders:

Value of Tenders	Name of Office
(i) Tenders for which sanctioning authority is Executive Engineer/Superintending Engineer	Divisional Office
(ii) Tenders for which the sanctioning authority is Additional Chief Engineer/Chief Engineer	Circle Office
(iii) Tenders for which sanctioning authority is Board/State Government.	Additional Chief Engineer/ Chief Engineer Office

10. No refund of tender fees is claimable for tenders not accepted or forms returned or for tenders not submitted.

11. The tenders for works shall remain open for acceptance for the period as given below from the date of opening of financial

1. For tenders to be accepted by Executive Engineer	20 days
2. For tenders to be accepted by Superintending Engineer	30 days
3. For tenders to be accepted by Additional Chief Engineer	40 days
4. For tenders to be accepted by Chief Engineer	50 days
5. For tenders to be accepted by Adm. Deptt. / Board	60 days
6. For tenders to be accepted by finance committee Board empowered committee. Empowered Board	70 days

Note :- Communication of acceptance of tender shall also within the above limits.

If any tenderer withdraws his tender prior to expiry of said validity period or mutually expended period or makes modifications in the rates, terms and conditions of the tender within the said period. Which are not acceptable to the department, or fails to commence the work in the specified period, fails to execute the agreement the department shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of earnest money given in any form absolutely. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and work has to be put to retendering, he shall stand debarred from participating such retendering in addition to forfeiture of Earnest Money/Security Deposit and other action under agreement.

12. All tenders, in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculations, totalling or other Discrepancies or which contain over-writing in figures or words or corrections not initialled and dated, will be liable for rejection.

13. Enlisted Contractors, will be required to pay Earnest Money @ 112 % of estimated cost of work put to tender, in case of work or which they are authorised to tender under Rules for enlistment of contractors, but the amount to the extent of full Earnest Money shall be liable to be forfeited in the event of circumstances explained in Clause 11 above. Degree/Diploma holder Engineers may pay Earnest Money, equal to one half of the normal rates, subject to the provisions of Rules for enlistment of Contractors.

14. The tender should be accompanied with Income Tax and Sales Tax Clearance Certificates from the Concerned departmental authorities, without which the tenders may not be entertained.

15. The whole work may be split up between two or more contractors or accepted in part and not in entirety if considered expedient.

Signature of Engineer-in-charge
For and on behalf of the Governor of Rajasthan

CONTRACT FOR WORK

GENERAL RULES AND DIRECTIONS FOR THE GUIDANCE OF CONTRACTORS

1. All work, proposed for execution by Contract, will be notified in a form of invitation to tender pasted on public places and on a board hung up in the office of and signed by the Chief Engineer or other duly authorised Engineer,
The form of invitation to tender will state the work to be carried out, as well as the date of submitting and opening of tenders and the time allowed for carrying out the work, also the amount of Earnest Money to be deposited with the tender and the amount of the Security Deposit to be deposited by the successful tenderers and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and estimated rates/scheduled rates and any other documents required in connection with the work signed for the purpose of identification by the Executive Engineer shall be open for inspection by the Contractor at the office of the Chief Engineer or other duly authorised Engineer during office hours.
2. In the event of the tender being submitted by a firm, it must be signed separately by each partner, thereof, or in the event of the absence of any partner, it must be signed on his behalf, by a person holding a Power of Attorney, authorising him to do so. Such Power of Attorney will be submitted with the tender and it must disclose that the firm, is duly, is duly registered under the Indian Partnership Act, by submitting the copy of the registration certificate,
3. Receipts for payments, made on account of a work then executed, by a firm must also be signed by the several partners, except where the contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners or by some other person having authority to give effectual receipts for the firm.
4. Any person, who submits percentage rate tender, shall fill up the usual printed form stating at how much percent above or below the rates specified in Schedule G, he is willing to undertake the work. Only one rate of percentage, more or less, on all the estimated rates/ scheduled rates shall be mentioned. Tenders which propose any alteration in the work, specified in the said form of invitation tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort will be liable to rejection. No single tender shall include more than one work, but Contractors, who wish to tender for two or more works, shall submit a separate tender for each work. Tenders shall have the name and number of work, to which they refer, written outside the envelope.
5. The Chief Engineer or other duly authorised Engineer will open the tenders in the presence of any, contractor (s) or their authorised representatives who may be present at the time, and will announce and enter the rates/amounts of all leaders in the Register of Opening of Tenders (Form RPWA 20A). In the event of the tender being accepted, a receipt for the earnest money deposited shall be given to the Contractors, who shall sign copies of the specifications and other documents mentioned in Rule 1. In the event of a tender being rejected, the Earnest Money forwarded with such unaccepted tenders shall be returned to the Contractor making the same.
6. The Chief Engineer or other duly authorised Engineer shall have the right of rejecting all or any of the tender without assigning any, reason.
7. The receipt of an Accountant, Cashier or any other official, not authorised to receive such amount, will not be considered as an acknowledgement of payment to the Chief Engineer or other duly authorised Engineer.
8. The memorandum of work tendered for, memorandum of materials and tools and plant to be supplied by the Department and their rates, shall be filled in and completed in the office of the Chief Engineer or duly authorised Engineer before the tender form is issued.
9. If it is found that the tender is not submitted in proper manner, or contains too many corrections and or unreasonable rates or amounts, it could be open for the Engineer-in-charge not to consider the tender, forfeit the amount of earnest money and/or delete the contractor.
10. The tenderer shall sign a declaration under Official Secrets Act for maintaining secrecy of the tender documents, drawings or other record connected with the work given to him in form given below. The unsuccessful tenderers shall return all the drawing given to them.

Declaration:

"I/We hereby declare that I/We shall treat the tender documents, drawings and other records, connected with the work, as secret, confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/We are authorised to communicate the same or use the information in any manner prejudicial to the safety of the same".

11. Any percentage rate tender containing item-wise rates, and any item rate tender containing percentage Rate below or above estimated/scheduled rates, will be summarily rejected. However, if a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.
12. On acceptance of the tender, the name of the accredited representative (s) of the Contractor (with a photograph and signature attested), who would be responsible for taking instructions from the Engineer in charge, shall be communicated to the Engineer in charge.
13. Sales tax or any other tax on materials, or Income Tax in respect of the contract shall be governed by Clause 36 A, B and c and D of the Conditions of Contract. Deductions of Income Tax at source will be made as per provisions of the Income Tax Act, in force from time to time.
14. The tender to work shall not be witnessed by a Contractor or Contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe the secrecy of tenders will render tenders of the contractors, tendering as well as witnessing the tender, liable to summary rejection.
15. If on check there are discrepancies the following procedure shall be followed.
 - (i) Where there is a difference between the rates in figures and words, lower of the two rates shall be taken as valid and correct rate,
 - (ii) When the rate quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount worked out.
 - (iii) While quoting rates, if rate/rates against any item or items are found to be omitted, the rate given in the Schedule 'G' by the department for such times will be taken into account while preparing comparative statement and contractor shall be bound to execute such item on 'G' Schedule rates.
 - (iv) In case where percentage is given but the 'above' or 'below' not scored, the tender will be non-responsive.
16. The Contractor shall comply with the provisions of the Apprenticeship Act, 1961 and the rules and orders issued thereunder, from time to time. If he fails to do so, his failure will be a breach of the contract and original sanctioning authority in his discretion may cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of violations by him of the provisions of the Act.
17. The Contractor shall read the specifications and study the working drawings carefully before submitting the tender.
18. The site for execution of the work will be made available as soon as the work is awarded. In case, it is not possible for the Department to make the entire site available on the award of the work, the Contractor shall arrange his working programme accordingly. No claim whatsoever, for not giving the site in full on award of the work or for giving the site gradually in parts will be tenable. The contractor may satisfy himself regarding site, acquisition of land, approach roads etc.
19. The tender documents show already the specific terms and conditions on which tenders are required by the Government. Hence all tenders should be in strict conformity with the tender documents and should be fulfilled in, wherever necessary, and initiated. Incomplete tenders are liable to be rejected. The terms and conditions of the tender documents are firm, as such conditional tenders are liable to be rejected.
20. The tenderer, while submitting tender, must provide adequate information regarding his financial, technical and organisational capacity and working experience to execute the work of the nature and magnitude.
21. The Chief Engineer or other duly authorised Engineer reserves the right to ask for submission of samples as in respect of materials for which the tenderer has quoted his rates before the tender can be considered for acceptance. If the tenderer, who is called upon to do so, does not submit within seven days of written order to do so, the Engineer-in-Charge shall be at liberty to forfeit the said earnest money absolutely.

22. The Contractor shall submit the list of the work, which are in hand (progress). In the following form::

Name of work	Name and particulars of the Sub Division/Division, where work is being executed	Amount of work	Position of works in progress	Remarks
1	2	3	4	5

23. The Contractor should quote his rates only in one language i.e. either in Hindi or English. Rates should be quoted in figures as well as in words. In case a contractor has quoted rates in both the languages, and the rates so quoted differ, then the lower of the two shall be treated as the rate quoted by the Contractor.
24. All additions, deletions, corrections and overwritings, must be serially numbered and attested by the Contractor at every page, so also by the officer opening the tenders, so as to make further disputes impossible on this score.
25. After acceptance of the tender, the Contractor or all partners (in the case of partnership firm), will append photographs and signatures duly attested at the time of execution of Agreement.
26. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and the work has to be put to retendering, he shall stand debarred from participating in such retendering if addition to forfeiture of Earnest Money/Security Deposit and other action under agreement.
27. The tender documents shall be issued to those contractors only having valid enlistment as on the date of issue of documents.
28. (a) If a tender reduces the rates voluntarily after opening of tenders / negotiations, his offer shall stand cancelled automatically, his earnest money shall be forfeited and action for debarring him from business shall be taken as per enlistment rules.
(b) If a non-tenderer offers lower rates after opening of tenders, action for debarring him from business shall be taken as per enlistment rules.
29. Contractors shall submit only unconditional tenders. Conditional tenders are liable to be rejected summarily.

Tender for works

I/We hereby tender for the execution for the Governor of the State of Rajasthan of the work specified in the underwritten memorandum within the time specified in such memorandum at the rates, (in figures).....% (as well as in words).....percent below/

above the amount, entered in the schedule G in all respects in accordance with the specification, design, drawings and instructions is writing referred to in Rule 1 in all respects in accordance with such vuiditton so far as applicable. I/We have visited the site of work and am/are fully aware of all the difficulties and conditions likely to affect carrying out the work. I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and queries/kilns, nature and the extent of ground, working conditions including stacking, of materials, installation of tools & plant, conditions effecting accommodation and movement of labour etc. required for the satisfactory execution of contract.

Memorandum

- (a) General description of work.....
- (b) Estimated cost Rs.....
- (c) Earnest money Rs.....@2% for enlisted contractors outside their zone and 1/2% within their zone of enlistment.
- (d) Security Deposit:
 - (i) "The security deposit @ 10% of the gross amount of the running bill shall deducted from each running bill and shall be refunded as per rules on completions of the contract as per terms and conditions. However the amount of security deposit deducted from running bills shall not be converted into any mode of securities bank guarantee, FOR etc. The earned money deposited shall however be adjusted while deducting security deposit from first running bill of the contractor. There will be no maximum limit of security deposit.
However, a contractor may elect to deposit of full amount of 10% security deposit in the the shape of bank guarantee or any acceptable form of security before or at the time of executing agreement. In that case earnest money may be refunded only after deposition of full 10% as above. How, in case during execution cost of works exceeds as shown at the time of depositing 10% as above, balance security deposit shall be deducted from the "Running Account Bills".
 - (ii) Bank Guarantee shall in all cases be payable at * ne headquarter of the Division or the nearest District Headquarters.
- (e) time allowed for the completion of work (to be reckoned from the 10* day after the date of written order to commence the work) is.....months. Should this tender be accepted in whole or in Part, I/ We hereby agree to abide by and fulfill all the terms and provisions of the conditions of contract annexed hereto and of the Notice Inviting Tender, or in default thereof, to forfeit and pay to the Governor of Rajasthan or his successors in office, the sum of money mentioned in the said conditions.

A sum of Rs..... is forwarded herewith in the form of cash, Bank Draft, Banker's Cheque as Earnest Money. This amount of earnest money shall absolutely be forfeited to the Governor of Rajasthan or his successor in office without prejudice to any other right or remedies of Governor of Rajasthan of his successor in his office, should I/We fail to commence the work specified in the above memorandum.

Signature of Witness

Witness's address & occupation

Signature of Contractor

Address of Contractor

Date:

The above tender is hereby accepted by me on behalf of The Governor of Rajasthan.

Dated the

.....Engineer-in-charge

CONDITIONS OF CONTRACT

Clause 1 : Security Deposit:

"The security deposit (10% of the gross amount of the running bill shall deducted from each running bill and shall be refunded as per rules on completion of the contract as per terms and conditions. The earnest money deposited shall however be adjusted while deducting security deposit from the first running bill of the contractor. There will be no maximum limit of security deposit.

A contractor may however, elect to furnish bank guarantee or any acceptable form of security for an amount equal to the full amount of security deposit @ 10% of the work order before or at the time of executing the agreement. In that case, earnest money may be refunded only after furnishing of the bank guarantee as above. During the execution for the work or after completion of the work also a contractor may replace the security deposit by furnishing bank guarantee for an equal amount. However during execution of the work if cost of work exceeds as shown at the time of furnishing bank guarantee, balance security deposit shall be deducted from the "Running Account Bills".

All compensations or other sums of money payable by the Contractor to the Government under the terms of his contract may be deducted from or paid by the sale of a sufficient part of his Security Deposit, or from interest arising therefrom, or from any sums, which may be due or may become due to the Contractor by the Government on any account whatsoever, and in the event of his security deposit being reduced by reason of any such deductions or sale as aforesaid, the Contractor shall within ten days thereafter, make good in cash or Bank Guarantee of Nationalised/Scheduled bank, as aforesaid, any sum of sums which may have been, deducted from or raised by sale of his security deposit or any part thereof.

If case of Bank Guarantee of any Nationalised/Scheduled Bank is furnished by the Contractor to the Government at part of the Security Deposit and the bank goes into liquidation or, for any reason, is unable to make payment against the said Bank Guarantee, the loss caused thereby shall fall on the Contractor and the Contractor shall forthwith, on demand furnish additional security to the Government to make good the deficit.

The liability or obligation of the bank under the Guarantee Bond shall not be affected or suspended by any dispute between the Engineer-in-charge and the Contractor, and, the payment, under the Guarantee Bond by the bank to the Government shall not wait till the disputes are decided. The bank shall pay the amount the Guarantee, without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the Contractor. The demand so made, shall be conclusive as regards, to amount due and payable by the bank, under the guarantee limited to the amount specified in the guarantee Bond. The guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

The Bank Guarantee shall remain valid upto the specified date unless, extended on demand by the Engineer-in-charge, which shall include the period of completion of the contract and the defect removal period as per terms of the Agreement. Bank's liability shall, stand automatically discharged unless a claim in writing is lodged with the Bank within the period stated in the Bank Guarantee including the extended period. After satisfactory completion of the contract and clearance of all dues by Contractor, the Chief Engineer or duly authorised Engineer will discharge the Bank Guarantee after expiry of the original or the extended period, as the case may be. In case the date of expiry of the Bank Guarantee is a holiday, it will be deemed to expire on the close of the next working day.

Government, is not concerned with any interest accruing to the Contractor On any form of Security (primary or collateral) lodged by him with the bank or any sums payable to sureties obtained by the Bank as counter guarantee to secure its own position. These will be matters between the Bank and the Contractor.

Clause 2 : Compensation for delay:

The time allowed for carrying out the work, as entered in the tender, shall be strictly observed by the Contractor and shall be reckoned from the 10th day after the date written order to commence the work given to the Contractor. If the contractor does not commence the work within the period specified in the work order, he shall stand liable for the forfeiture of the amount of Earnest Money, and Security Deposit. Besides appropriate action may be taken by the Engineer-in-charge/competent authority to debar him from taking part in future tenders for a specified period or black list him. The work shall, through-out the stipulated period of completion of the contract, be proceeded with all due diligence, time being essence of the contract, on the part of the Contractor. To ensure good progress during the execution of work, the contractor shall be bound in all cases in which the time allowed for any work exceed good progress during the execution of work, the contractor shall be bound in all cases in which the time allowed for any work exceed one month (save for special jobs), to complete 1/8 * of the whole of the work before 1/4th of the whole time allowed under the contract has elapsed 3/8* of the work before 1/2 of such time has elapsed and 3/4* of the work before 3/4 of such time has elapsed. If the contractor fails to complete the work in accordance with this time schedule in terms of cost in money, and the delay in execution of work is attributable to the contractor, the contractor shall be liable to pay compensation to the Government at every time span as below:

A	Time Span of full Stipulated period	1/4 th (.....days)	1/2 th (.....days)	3/4 th (.....days)	Full (.....days)
B	Work to be completed in terms of money	1/8 th (Rs.....)	3/8 th (Rs.....)	3/4 th (Rs.....)	Full (Rs.....)
C	Compensation payable by the contractor for delay attributable to the attributable to stage	2.5% of Scheduled work remained unexecuted on the last day of (1/4) time span	5% of Scheduled work remained unexecuted on the last day of (1/2) time span	7.5% of Scheduled work remained unexecuted on the last day of (3/4) span	10% of Scheduled work remained unexecuted on the last day of Contracted Full period

Note : In case delayed period over a particular span is split up and is jointly attributable to government and contractor, the competent authority may reduce the compensation in proportion of delay attributable to government over entire delayed over that span after clubbing up the split delays attributable to government and this reduced compensation would be applicable over the entire delayed period without paying any escalation. Following illustration is given

[i] First time span is for 6 months, delay is of 30 days which is split over as under

Sdays [attributable to government] + Sdays [attributable to contractor] + Sdays [attributable to government] + Sdays [attributable to contractor] + Sdays [attributable to government] + Sdays [attributable to contractor]. Total delay is thus clubbed to 15 days [attributable to government] and 15 days [attributable to contractor]. The normal compensation of 30 days as per clause 2 of agreement is 2.5 which can be reduced as 2.5 15/301.25 over 30 days without any escalation by competent authority.

The contractor shall, further, be bound to carry out the work in accordance with the date and quantity entered in the progress statement attached to the tender.

In case the delay in execution of work is attributable to the contractor, the spanwise compensation, as laid down in this clause shall be mandatory. However in case the slow progress in on time span is covered up within original stipulated period then the amount of such compensation levied earlier shall be refunded. The price escalation, if any, admissible under clause 45 of Conditions of Contract would be admissible only on such rates and cost of work, as would be admissible if work would have been carried out in that particular time span. The Engineer-in-charge shall review the progress achieved in every time span, and grant stagewise extension in case of slow progress with compensation, if the delay is attributable to contractor, otherwise without compensation.

However, if for any special job, a time schedule has been submitted by the contractor before execution of the agreement, and it is entered in agreement as well as same has been accepted by the Engineer-in-charge, the contractor shall complete the work within the said time schedule. In the event of the contractor failing to comply with this condition, he shall be liable to pay compensation as this clause shall not exceed 10% of the value of the contract. While granting extension in time attributable to the Government, reasons shall be recorded for each delay.

Clause 3 :Risk & Cost Clause :

The Engineer-in-charge or the Competent Authority defined under rules may, without prejudice to his rights against the Contractor, in respect of any delay or inferior workmanship or otherwise, or to any claims for damages in respect of any breaches of contract and without prejudice to any rights or remedies under any of provisions of this contract or otherwise, and whether the date for completion has or has not elapsed by notice in writing, absolutely determine the contract in any of the following cases.

- (i) If Contractor having been given by the Engineer-in-charge, a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or unworkmanlike manner, shall omit to comply with the requirements of such notice for a period of seven days, thereafter, or if the contractor shall delay or suspend the execution of the work so that either in the judgement of the Engineer-in-charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion of he already, failed to complete the work by that date.
- (ii) If the Contractor, being company, shall pass a resolution or the Court shall make an order that the company shall be wound up or if a receiver or a manager, on behalf of a creditor, shall be appointed or if circumstances shall arise, which entitle the Court or Creditor to appoint a receiver or a manager or which entitle the Court to make a winding up order.
- (iii) If the Contractor commits breach of any of the terms and conditions of this contract.....

- (iv) If the Contractor commits any acts mentioned in Clause 19 hereof.

When the Contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-charge on behalf of the Governor of Rajasthan shall have powers.

- (a) To determine or rescind the contract, as aforesaid (of which determination or rescission notice in writing to the Contractor under the hand of the Engineer-in-charge shall be conclusive evidence) upon such determination or rescission, the earnest money, full security deposit of the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Government.
- (b) To employ labour paid by the Department and to supply materials to carry out the work or any part of the work, debiting the Contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer-in-charge shall be final and conclusive against the Contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates, as if it had been carried out by the Contractor under the terms of this contract. The certificate of the Divisional Officer, as to the value of the work done, shall be final and conclusive evidence against the Contractor provided always that action under the sub-clause shall only be taken after giving notice in writing to the Contractor. Provided also that if the expenses incurred by the department are less than amount payable to the Contractor at his agreement rates, the difference shall not be paid to the Contractor.
- (c) After giving notice to the Contractor to measure up the work of the contractor and to take such part thereof, as shall be unexecuted out of his hands and to give it to another contractor to complete, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor, if the whole work had been executed by him [of the amount of which excess, the certificate in writing of the Engineer-in-charge shall be final and conclusive] shall be borne and paid by the original contractor and may be deducted from any money due to him by Government under this contract on any other account. Whatsoever, or from his Earnest money, Security Deposit, Enlistment security or the proceeds or sales thereof, or a sufficient part thereof as the case may be. In the event of any one or more of the above courses being adopted by the Engineer-in-charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the performance of contract. And, in case action is taken under any of the provisions aforesaid, the Contractor shall not be exaction of the work or the entitled to recover or be paid, any work thereof or actually performed under this contract unless and the Engineer-in-charge has certified, in writing, the performance of such work and the value payable in respect thereof, and he shall only be entitled to be paid the value so certified.

Clause 4 : Contractor remains liable to pay compensation, if action not taken under clause 3 :

- (i) In any case in which any of the powers conferred by clause 3 hereof, shall have become exercisable and the same shall have not been exercised the non-exercise, thereof, shall not constitute waiver of any the conditions hereof, and such power shall not with starting, be exercisable in the event of any future case of default by the contractor for which, by any clause of V clause hereof, he is declared liable to pay compensation amounting to the, whole of his security Deposit/Earnest Money/Enlistment security and the liability of the past and future compensation shall remain unaffected.

Powers to take possession of, or require removal, sale of Contractor's plant:

- (ii) In the event of the Engineer-in-charge putting in force, powers vested in him under the preceding Clause 3 he may, if he so desires, take possession of all or any tools, plants, materials and stores, in or upon the works or the site, thereof, or belonging to the contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account, at the contract rates or, in case of these not being applicable, at current market rates, to be certified by the Chief Engineer or duly authorised Engineer [whose certificate, thereof, shall be final and conclusive], otherwise the Engineer-in-charge may, by notice in writing to the contractor or his clerk of the works, foreman, or other authorised agent, require him to remove such tools plant, materials or stores from the premises [within a time to be specified in such notice], and in the event of the Contractor failing to comply with any requisition, the Chief Engineer or other duly authorised Engineer may remove them at the contractor's expenses sell them by auction or private sale on account of the contractor and at his risk in all respects, and the certificate, of the Chief Engineer or other duly authorised Engineer, as to the expense of any such removal, and the amount of the proceeds and expense of any such Sale shall be final and conclusive against the Contractor.

Clause 5 : Extension of Time :

If the contractor shall desire an extension of time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other grounds he shall apply, in writing, to the Engineer-in-charge within 30 days of the date of

the hinderance, on account of which he desires such extension as aforesaid, and the Authority Competent to grant extension under the rule/delegations of powers or other duly authorised Engineer shall, if in his opinion, [which shall be final] reasonable grounds be shown therefore, authorise such extension of time if any as may, in his opinion, be necessary or proper, if the period of completion of contract expires before the expiry of the period of one month provided in this clause, the application for extension shall be made before the expiry of the period stipulated for completion of the contract the competent authority shall grant such extension at each such occasion within a period of 30 days of receipt of application from contractor and shall not wait for finality of work. Such extensions shall be granted in accordance with provisions under clause [2] of this agreement.

Clause 5A : Monthly Return of Extra Claims :

Contractor has to submit a return every month for any work claimed as extra. The Contractor shall deliver the return in the office of the Executive Engineer and obtain Receipt Number of the Receipt Register of the day on or before 10th day of every month during the continuance of the work covered by this contract a return showing details of any work claimed as extra by the contractor, which value shall be based upon the rates and prices mentioned in the contract or in the schedule of Rates in force in the District for the time being. The contractor shall be deemed to have waived all claims, not included in such return, and will have no right to enforce any such claims not included, whatsoever be the circumstances.

Clause 6: Final Certificate:

On completion of the work, the Contractor shall send a registered notice to the Engineer-in-charge, giving the date of completion and sending a copy of it to the officer, accepting the contract on behalf of the Governor and shall request the Engineer-in charge to give him a certificate of completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the site on which the work shall be executed, all scaffolding, surplus materials and rubbish and cleared off the dirt from all wood, doors, walls, floors, or other parts of any building in upon or about which the work is to be executed or of which he may have possession for the execution thereof, he had filled up the pits. If the contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and dirt and filling of, pits on or before the date fixed for completion of the work, the Engineer-in-charge may, at the expense of the contractor, remove such scaffolding, surplus materials, and the rubbish and dispose of the same, as he thinks fit, and clean off such dirt and fill the pit, as aforesaid, and the contractor shall forthwith pay the amount of all expenses, so incurred, and shall have no claim in respect of any such scaffolding or surplus materials, as aforesaid, except for any sum actually realised by the sale thereof. On completion, the work shall be measured by the Engineer-in-charge himself or through his subordinates, whose measurements shall be binding and conclusive against the contractor. Provided that, if subsequent to the taking of measurements by the subordinate, as aforesaid, the Engineer-in-charge had reason to believe that the measurements taken by his subordinates are not correct, the Engineer-in-charge shall have power to cancel the measurements already taken by his subordinates and acknowledged By the Contractor and to take measurements again, after giving reasonable notice to the Contractor, and such re-measurements shall be binding on the Contractor.

Within ten/thirty days of the receipt of the notice, Engineer-in-charge shall inspect the work and if there is no visible defects on the face of the work, shall give the Contractor, a certification. If the Engineer-in-charge finds that the work has been fully completed, it shall be mentioned in the certificate so granted. If, on the other hand, it is found that there are certain visible defects to be removed, the certificate to be granted by the Engineer-in-charge shall specifically mention the details of the visible defects along with the estimate of the cost for removing these defects. The final certificate of work shall be given after the visible defects pointed out as above have been removed.

(Delete whichever is not applicable). (Ten days will apply to works at the headquarters of Engineer-in-charge and thirty days for works at other place).

Clause 7 : Payments of Intermediate Certificate to be regarded as advance :

No payments shall be made for works estimated to cost less than Rupees twenty five thousand, till after the whole of the works shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than Rupees twenty five thousand, the contractor shall on submitting the bill therefore, be entitled to receive a monthly payment proportionate to the part, thereof, then approved and passed by the Engineer-in-charge, whose certificate of such approval and passing of sum, so payable, shall be final and conclusive. Running Account Bill shall be paid within 15 days from presentation. , But all such intermediate payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not be considered as an admission of the due performance of the contract, or any part thereof, in any respect, or the accruing of any claim, nor shall it conclude, determine, or effect in any way the powers of the Engineer-in-charge under these conditions or any of them to the final settlement and adjustment of the accounts of otherwise or in any other way vary of effect the contract. The final bill shall be made/submitted by the Contractor within one month of the date fixed for completion of the work

otherwise the engineer-in-charge's certificate of the measurement and of the total amount payable for the work accordingly shall be final and binding on all parties.

Clause 7 A: Time Limit for Payments of Final Bills:

The final bill shall be paid within 3 months on presentation by the Contractor after issuance of final completion certificate in accordance with Clause 6 of the conditions of the Contract. If there shall be dispute about any item(s) of the work, then the undisputed item(s) only, shall be paid within the said period of 3 months, if a final bill (which contains no disputed item of disputed amount of any item) is not paid within 3 months of presentation of final bill or 6 months from the date of receipt of registered notice regarding completion of work in accordance with Clause 60: the conditions of the contract, the defects, if any, shall be brought to the notice of the higher authority. The period of 3 months shall commence from the date of rectification of the defects. The higher authority shall ensure that in no case final bill should be left unpaid after 9 months from the receipt of registered notice regarding completion of work. The contractor shall submit a memorandum of the disputed items along with justification in support within 30 days from the disallowance thereof, and if he fails to do so, his claim shall be deemed to have been fully waived and absolutely extinguished.

Clause 8 : Bills to be submitted monthly :

A bill shall be submitted by the Contractor each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous month and the Engineer-in-charge shall take or cause to be taken the requested measurement for the purpose of having the same verified and the claim, as far as admissible, authorized or paid; if possible, before the expiry of 7 days from the presentation of the bill. If the Contractor does not submit the bill within the time fixed, as aforesaid, the Engineer-in-charge may depute a subordinate to measure up the said work in the presence of the Contractor, whose signature in the Measurement Book will be sufficient warrant and the Engineer-in-charge may prepare a bill from such Measurement Book which shall be binding on the Contractor in all respects.

Clause 8 A: Contractor to be given time to the objection to the Measurement recorded by the department:

Before taking any measurement of any work as have been referred to the preceding clauses 6, 7 & 8 the Engineer-in-charge or subordinate, deputed by him shall give reasonable notice to the contractor. If the contractor fails to be present at the time of taking measurements after such notice or fails to sign or to record the difference within a week from the date of measurement in the manner required by the Engineer-in-charge than in any such event, the measurements taken by the Engineer-in-charge or by the subordinate deputed by him, as the case may be, shall be final and binding on the Contractor and the Contractor shall have no right to dispute the same.

Clause 8 B: recovery of cost of preparation of the Bill:

In case of Contractors of Class "A" and "AA" do not submit the bill with time fixed, the Engineer-in-charge may prepare the bill as per provision of Clause 8 of the Conditions of Contract but deduction @ 0.5% of amount of such a bill shall be made and credited to the general revenue on account of preparation of bill.

Clause 9: Bills to be on printed forms:

The Contractor shall submit all bills on the printed forms, to be had on application, at the office of the Engineer-in-charge and charges in the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender, at the rates hereinafter provided for similar work.

Clause 9 A: Payments of Contractor's Bills to Banks:

payments due to the contractor may if so desired by him, made to his Bank instead of direct to him, provided that the contract has furnished to the Engineer-in-charge (i) an authorisation in the form of a legally valid document, such as a Power of Attorney conferring authority on the Bank to receive payments and (ii) his own acceptance of the correctness of the account made out, as being due to him, by Government, or his signature on the Bill or other claim preferred against Government before settlement by the Engineer-in-charge of the account or claim, by payment to the Bank. While the receipt given by such Bank shall constitute a full and sufficient discharge for the payment, the Contractor should whenever possible, present his bill duly receipted and discharged through his Banker. Nothing, herein contained, shall operate to create in favour of the Bank any rights vis-a-vis the Government.

Clause 10: Stores supplied by Government;

In the specification of estimate of the work provides for the use of any special description of material, to be supplied from Engineer-in-charge's stores, or if, it is required that Contractor shall use certain stores to be provided by the Engineer-in-charge specified in the schedule or memorandum hereto annexed, the Contractor shall be bound to procure and shall be supplied such materials and stores as are from time to time, required to be used by him for the purpose of the

purpose of the contract only, and the value of the full quantity of materials and stores, so supplied at the rates specified in the said schedule or memorandum, may be set off or which may be deducted from any sum, then due or thereafter become due, to the contractor under the contract or otherwise or against or from the Performance Guarantee and or Security Deposit or the proceeds or sale, if the same is held in Government securities, the same or a sufficient portion thereof being in this case, sold for this purpose. All materials supplied to the Contractor, either from departmental stores or with the assistance of the Government, shall remain the absolute property of Government. The Contractor shall be the trustee of the stores/materials, so supplied/procured, and these shall not, on any account, be removed from the site of work and shall be, all-times open for inspection by the Engineer-in-charge. Any such material, unused and in perfectly good condition at the time of completion or determination or rescinding of the contract, shall be returned to the Divisional Officer's Stores. If by a notice in writing under his hand, he shall so require, and if on service of such notice, the contractor fails to return such materials, so required, he shall be liable to pay the price of such materials in accordance with the provisions of clause 10 B *ibid*. But the Contractor shall not be entitled to return any such materials, unless with such consent, and shall have no claim for compensation on account of any such materials, so supplied to him as aforesaid being unused by him, or for any wastage in or damage to any such materials. For the stores returned by the Contractor, he shall be paid for at the price originally charged excluding storage charges, in case of materials supplied from departmental stores and actual cost including freight, cartage, taxes etc. paid by the Contractor, in case of supplies received with the assistance of the Government, which however, should in no case exceed market rate prevailing at the time materials are taken back. The decision of the Engineer-in-charge, as to the price of the stores returned, keeping in view its conditions etc. shall be final and conclusive. In the event of breach of the aforesaid condition, the Contractor shall, in addition to throwing himself open to account of contravention of the terms of the license or permit and/or for criminal breach of trust, pay to the Government all advantages or profits resulting, or which in the usual course, would result to him by reason of such breach. Provided that the Contractor shall, in no case be entitled to any compensation or damage on account of any delay in supply, or non-supply thereof, all or any such materials and stores.

Clause 10 A: Rejection of materials procured by the Contractor:

The Engineer-in-charge shall have full powers to require the removal from the premises of all materials which in his opinion, are not in accordance with the specifications and, in case of default, the Engineer-in-charge shall be at liberty to employ other person (s) to remove the same without being answerable or accountable for any loss of damage, that may happen or arise to such materials to be substituted thereof, and in case of default, Engineer-in-charge may cause the same to be supplied and all costs which may attend such removal and substitution, are to be borne by the Contractor.

Clause 10 B: Penal Rate in case of excess consumption:

The Contractor shall also be charged for the materials consumed in excess of the requirements calculated on the basis of standard consumption approved by the department at double of the issue rate including storage and supervision charges or market rate, whichever is higher. A Material Supply and Consumption Statement, in prescribed Form RPWA 35 A shall be submitted with every Running Account Bill, distinguishing material supplied by the Government and the material procured by the Contractor himself. The recovery for such material shall be made from Running Account Bill next after the consumption and shall not be deferred. Certificate of such nature shall be given in each Running Account Bill.

Clause 10 C: Hire of Plant & Machinery:

Special Plant and Machinery required for execution of the work, may be issued to the Contractor, if available, on the rates of hire charges and other terms and conditions as per departmental Rules, as per Schedule annexed to these conditions. Rates of such Plant & Machinery shall be got revised periodically so as to bring them at par with the market rate.

Clause 11: Works to be executed in accordance with specifications. Drawing Orders etc.

The Contractor shall execute the whole and every part of the work in the most substantial and satisfactory manner and both as regards materials and otherwise in every respect, in strict accordance with the Specifications. The Contractor shall also conform exactly fully and faithfully to the designs, drawings and instructions in writing relating to the work signed by the Engineer-in-charge and lodged in his office and to which the Contractor shall be entitled to have access at such office or on the site of the work for the purpose of inspection during office hours and the Contractor shall, if he so require, be entitled, at his own expense, to make or cause to be made copies of specifications and of all such designs, drawings and instructions as aforesaid. A Certificate of executing works as per approved design and specifications etc. shall be given on each Running Account Bill.

The specification of work, materials, methodology of execution, drawings and designs shall be signed by the Contractor and the Executive Engineer while executing agreement and shall form part of agreement.

Clause 12:

The Engineer-in-charge shall have power to make any alteration, omissions or additions to or substitutions for the original

specifications, drawings, designs and instructions that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-charge, and such alteration, omission, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work, which the contractor may be directed to do in the manner above specified, as part of the work shall be carried out work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work, and the certificate of the Engineer-in-charge shall be conclusive as to such proportion. The rates for such additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order.

- (i) If the rates for the additional, altered or substituted work are specified in the contract for the work, the Contractor is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract for the work.
- (ii) If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, the such rates will be derived from the rates for a similar class of work as are specified in the contract for the work.
- (iii) If the rates for the altered, additional or substituted work can not be determined in the manner specified in the sub-clause (i) to (ii) above, then the rates for such composite work item shall be worked out on the basis of the concerned Schedule of Rates of District/area specified above minus/plus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender. Provided always that if the rate for a particular part of parts of the item is not in the Schedule of Rates, the rate for such part of parts will be determined by the Engineer-in-charge on the basis of the prevailing market rates when the work was done.
- (iv) If the rates for the altered, additional or substituted work item can not be determined in the manner specified in sub-clause (i) to (iii) above, then the contractor shall within 7 days of the date of receipt of order to carry out the work, inform the Engineer-in-charge of the rate which it is his intention to charge for such class of work supported by analysis of the rate or rates claimed and the Engineer-in-charge shall determine the rate or rates on the basis of prevailing market rates, and pay the contractor accordingly. However, the Engineer-in-charge, by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the contractor shall suspend the work on the plea of non settlement of rates on items failing under the clause.
- (v) Except in case of items relating to foundations, provisions contained in sub-clause (i) to (iv) above shall not apply contract or substituted items as individually exceed the percentage set out in the tender documents under Clause 12 A.

For the purpose of operation of Clause 12 (v) the following works shall be treated as work relating to foundations:

- (a) For buildings, compound, wall, plinth level or 1.2 meters (4 ft.) above ground level whichever is lower, excluding items above flooring and D.P.C. but including base concrete below the floors.
- (b) For abutments, piers, retaining wall of culverts and bridges, walls of water reservoir and the bed of floor level.
- (c) For retaining walls, where floor levels is not determinate 1.2 meters above the average ground level or bed level.
- (d) For roads, all items of excavation and filling including treatment of sub base and soil ing work.
- (e) For water supply lines, sewer lines under ground storm water drains and similar work, all items of work below ground level except items of pipe work for proper masonry work.
- (f) For open storm water drains, all items of work except lining of drains.
- (g) Any other items of similar nature which Engineer-in-charge may decide relating to foundation.

The rate of any such work, except the items relating to foundations, which is in excess of the deviation limit shall be determined in accordance with the provisions contained in Clause 12 A.

The quantum of additional work for each item shall not exceed 50% of the original quantity given in the agreement and the total value of additional work shall not exceed 20% of the total contract value, unless otherwise mutually agreed by the Engineer-in-charge and the Contractor. The limit shall not be applicable on items relating to foundation work which shall be executed as per original rates of provision of clause 12 (i) to (iv).

In case of contract substituted items of additional items, which results in exceeding the deviation limit laid down in this clause except items relating to foundation work, which the contractor is required to do under clause 12 above, the contractor shall within 7 days from the receipt of order, claim revision of the rate supported by proper analysis in respect of such items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provision of sub-clause

(ii) of clause 12 and the Engineer-in-charge, may revise their rates having derived in according with the provision of sub-clause

may revise their rates having regard to the prevailing market rates and the contractor shall be paid in accordance with the rates so fixed. The Engineer-in-charge may revise their rates having regard to the prevailing market rates and the contractor shall be paid in accordance with rates so fixed. The Engineer-in-charge shall, be at liberty to cancel his order to carry out such increased quantities of work by giving notice in writing to the contractor and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the contractor shall suspend the work on the plea of non-settlement of rates of items falling under this clause.

All the provisions of the preceding paragraph shall equally apply to the decrease in rates of items for quantities in excess of the deviation limit notwithstanding the fact that the rates for such items exist in the tender for the main work or can be derived in accordance with the provisions of sub-clause (ii) of the preceding clause 12 and the Engineer-in-charge may revise such rates having regard to the prevailing market rates unless otherwise mutually agreed by the Engineer-in-charge and the Contractor.

Clause 13 : No compensation for alteration in or retraction of work to be carried out:

If, any time after the commencement of the work, the Government, shall for any reason, whatsoever, not require the whole work thereof, as specified in the tender, to be carried out, the Engineer-in-charge shall give notice in writing, of the fact to the Contractor, who shall have no claim to any payment or compensation, whatsoever, on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the full amount of the work not having been carried out. Neither, shall he have any claim for compensation by reasons of alterations having been made in the original specifications, drawings and design and instructions, which shall involve any curtailment of the work, as originally contemplated. Provided, that the contractor shall be paid the charges for the cartage only, of materials, actually brought to the site of the work by him for bonafide use and rendered surplus as a result of the abandonment or curtailment of the work as any portion thereof, and taken them back by the Contractor provided, however that the Engineer-in-charge shall have, in all such cases, the option of taking over all or any such materials at their purchase price or at local market rates whichever may be less. In the case of such stores, having been issued from Government stores, charges recovered, including storage charges shall be refunded after taking into consideration any deduction for claim on account of any deterioration or damage while in the custody of the contractor, and in this respect the decision of the Engineer-in-charge shall be final.

Clause 14: Action and compensation payable, in case of bad work:

If, it shall appear to the Chief Engineer or any authorised authority or the Engineer-in-charge or his subordinates in-charge of the work, or to the committee of retired officers appointed by the State Government for the purpose that any work has been executed with unsound, imperfect or unskillful workmanship, or with material of any inferior description, or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted or otherwise not in accordance with contract, the Contractor shall on demand in writing from the Engineer-in-charge, specifying the work/materials or articles complained of, notwithstanding that the same may have been inadvertently passed, certified and paid for, will rectify or remove and reconstruct the work, so specified, in whole, or in part, as the case may be, remove the materials or articles, so specified, and provide other proper and suitable materials or articles, at his own cost, and in the event of his failing to do so, within a period to be specified by the Engineer-in-charge in his demand, as aforesaid, then the Contractor shall be liable to pay compensation, at the rate of one percent, on the tendered amount of work for every week, not exceeding ten percent, while his failure to do so shall continue, and in the case of any such failure, the Engineer-in-charge may rectify or remove and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be, at the risk and expense, in all respects, of the Contractor.

Clause 15: Work to be open to inspection: Contractor or his responsible Agent to be present:

All work, under or in course of execution or executed in pursuance of the contract, shall, at all times, be open to inspection and supervision of the Engineer-in-charge and his superior office e.g. Superintending Engineer, Additional Chief Engineer, Chief Technical Engineer, Chief Engineer, and his subordinates and any other authorised agency of the Government and the contractor shall, at all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer-in-charge or his subordinate or any other authorised agency of the Government of committee of retired officer/officers appointed by the State Government for the purpose to visit the works shall have been given to Contractor, either himself be present to receive orders and instructions or have a responsible agent, duly accredited in writing, present for purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself. Clause 16: Notice to be given before any work is covered up:

The Contractor shall give not less than 7 days notice; in writing to the Engineer-in-charge or his subordinate-in-charge of the work, before covering up or otherwise placing beyond the reach of measurement, any work in order that the same may be measured, and correct dimensions thereof, be taken before the same is so covered up or placed beyond the reach of measurement and shall not

cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-charge of the work, and if, any work, shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained, the same shall be uncovered at the Contractor's expense or in default, thereof, no payment or allowance shall be made for such work, or for the materials, with which the same was executed.

Clause 17: Contractor liable for damage done and for imperfections^A

If the Contractor or his work people or servants shall break, deface, injure or destroy any part of a building, in which they may be working or any building, road, fence, enclosure, or cultivated ground contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work, While in progress, from any cause, whatsoever, or any imperfection become apparent in it, within a period specified in Clause 37, after a Certificate, final or otherwise of its completion shall have been given by the Engineer-in-Charge, may cause the same to be made good by other workmen and deduct the expense (of which the certificate of the Engineer-in-charge shall be final) from any sums that may be then, or at any time, thereafter, may become due to the Contractor, or from his security deposit, or the proceeds of sale thereof, or of a sufficient portion thereof.

Clause 1-8: Contractor to supply Plant, Ladders. Scaffolding etc.

The Contractor shall arrange and supply at his own cost, all material (except such special materials, if any as may in accordance with the contract, be supplied from the Engineer-in-charge's stores) plants, tools appliances, implements, ladders, cordage, tackle. Scaffolding and temporary works requisite or proper for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents, forming part of the contract, or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-charge as to any matter as to which, under these conditions, he is entitled to be satisfied of which he is entitled to require, together with carriage thereof to and from the work. The Contractor shall also arrange and supply, without charge, the requisite number of persons with the means and material necessary for the purpose of setting out work and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work, or materials. Failing his so doing, the same may be provided by the Engineer-in-charge, at the expense of the contractor, and the expenses may be deducted from any money due to the Contractor under the contract, or from his Performance Guarantee and/ or Security Deposit or the proceeds of sale thereof, or a sufficient portion thereof. The Contractor shall also provide all necessary fencing and lights required to protect the public from accident and shall, be bear the expenses of defense of every suit, action or other proceeding at law, that may be brought by any person for injury sustained Owing to neglect of the above precautions, and to pay any damages and costs, which may be awarded in any such suit, action proceeding to any such person' or which may with consent of the Contractor, be paid to compromise any claim by any such person.

Clause 19 : Work not to be sub-let, Contract may be rescinded and Security Deposit and Performance Forfeited for subletting, bribing or if Contractor Becomes insolvent:

The contract shall not be assigned or sublet without the written approval of the Chief Engineer; and if the Contractor shall assign or sublet his contract or attempt so to do, or become insolvent, or commence any insolvency proceeding or mark any composition with his creditors or attempt so to do, or if any bribe, gratuity, gift, loan, requisite reward or advantage, pecuniary or otherwise, shall either, directly or indirectly be given promised or offered by the Contractor or any of his servants or agents, to any public officer or person, in the employ of Government, in any way, relating to this office or employment, or if any such officer or person shall become, in any way, directly or indirectly interested in the contract, the Chief Engineer may, there upon by notice, in writing, rescind the contract and the performance Guarantee and Security Deposit of the Contractor shall, thereupon, stand forfeited and be absolutely at the disposal of Government and the same consequences shall ensue as, if the contract had been rescinded under Clause 3 hereof, and in addition the Contractor shall not be entitled to recover or be paid for any work therefore, actually performed under the contract.

Clause 20: Sums payable by way of compensation to be considered as reasonable compensation without reference to actual loss:

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Government without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

Clause 21: Changes in Constitution of firm:"

Where the contractor is a partnership firm, the previous approval, in writing of the Engineer-in-charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual of a Hindu undivided family concern, such approval, as aforesaid, shall likewise be for obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the work thereby undertaken by the Contractor. If, previous approval, as aforesaid, is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 19, and the same consequences shall ensue, as provided in the

Si, id clause 19

Clause 22 : Works to be under direction of Engineer-in-Charge :

All the works to be executed under the contract, shall be executed under the direction and subject to the approval. In respect, of the Engineer-in-charge of the Government of Rajasthan for the time being. Who shall be entitled to direct, at what point or points and in what manner they are to be commenced, and from time to time, earned on.

Clause 21 : Standing Committee for Settlement of disputes :

If any question, difference of objection, whatsoever shall arise in any way, in connection with or arising out of the instrument of the meaning of operation of any part thereof, of the right duties or liabilities of either part then, save in so far, as the decision of any such matter, as herein before provided has been otherwise provided for and whether it has been finally decided accordingly, or whether the contract should be terminated, or has been rightly terminated and as regards the rights or obligations of the parties as the result of such termination, shall be referred for decision to the empowered Standing Committee, which would consist of the followings.

- (i) Administrative Secretary concerned.
- (ii) Finance Secretary or his nominee, not below the rank of Deputy Secretary and /or Chief Accounts officer
- (iii) Law Secretary or his nominee, not below the rank of Joint Legal Remembrancer.
- (iv) Chief Engineer-cum-Addl, Secretary of the concerned department.
- (v) Chief Engineer concerned (Member-Secretary)

The Engineer-in-charge on receipt of application along with non refundable prescribed fee, (the fee would be two percent of the amount in dispute, not exceeding Rs. One lac) from the contractor shall refer the disputes to the committee within a period of one month from date of receipt of application.

Procedure and Application for referring cases for settlement by the Standing Committee shall be as given in Form RPWA90.

Clause 23. A: Contractor to indemnify for infringement of Patent or design :

Contractor shall fully indemnify the Governor of Rajasthan against any, claim or proceeding, relating to infringement or use of any patent or design or any alleged patent or design, rights and shall pay any royalties which may be payable in respect or any article of part thereof included in the contract, in the event of any, claims made under of action brought against Government. In respect of any such matters as aforesaid, the Contractor shall be immediately, notified thereof, and the Contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation, that may arise therefrom, provided that the contractor shall not be liable to indemnify the Governor of Rajasthan, if the infringement or the patent or design or any alleged patent, or design, right is the direct result of an order passed by the Engineer-in-charge in this behalf.

Clause 24 : Imported Store articles to be obtained from Government:

The Contractor shall obtain from the stores of the Engineer-in-charge, all imported store articles, which may be required for the work of any part thereof, or in making up articles required thereof, or in connection therewith, unless he has obtained permission in writing, from the Engineer-in-charge, to obtain such stores and articles from elsewhere. The value of such stores and articles, as may be supplied to the contractor by the Engineer-in-charge, will be debited to the Contractor, in his account, at the rates shown in the schedule attached to the contract, and if they are not entered in the schedule, they will be debited at cost price, which for the purposes of this contract, shall include the cost or carriage and all other expenses, whatsoever, which shall have been incurred in obtaining delivery or the same at the stores aforesaid plus storage charges.

Clause 25 : Lump-sums in estimates :

When the estimate on which a tender is made includes lump sums, in respect of parts of the work, the Contractor shall be entitled to payment in respect of the item of work involved or the part of the work in question at the same rates as are payable under the contract for such items or if the part of the work in question is not in the opinion of the Engineer-in-charge, capable of measurement, the Engineer-in-charge may at his discretion pay the lump sum amount entered in the estimate and the certificate in writing of the Engineer-in-charge shall be final and conclusive with regard to any sum or sums payable to him under the provision of this clause.

Clause 26 : Action where no Specification :

In case of any Class of work for which there is no such specification as is mentioned in Rule I, such work shall be carried out in accordance with the detailed specification of the department and also in accordance with the instruction and requirement of the Engineer-in-charge.

Clause 27: Definition of work:

The expression "works" of "Work" where used in these conditions, shall, unless there be some thing either in subject of context, repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract-contracted to be executed, whether temporary or permanent, and whether original, altered, substituted or additional.

Clause 27 A: Definition of Engineer-in charge:

The term "Engineer-in-charge" means the Divisional Officer, who shall supervise, and be in charge of the work and who shall sign the contract on behalf of the Governor.

Clause 28:

It can not be guaranteed that the work will be started immediately after the tenders have been received. No claims for increase of rate will be entertained, if the orders for starting work are delayed.

Clause 29: Payments at reduced rates* on account of items of work not accepted and not completed to be at the discretion of the Engineer-in-charge:

The rates for several items of works, estimated to cost more than Rs 1000/-, agreed within, will be valid only when the item concerned is accepted, as having been completed fully in accordance with the sanctioned specifications. In cases, where the items of work are not accepted, as so completed, the Engineer-in-charge may make payment on account of such items, at such reduced rates as he considers reasonable in the preparation of final or on account bills, and his decision in the matter shall be final and binding.

Clause 29 A: Payment at part rates;

The rate for several items of works may be paid at part rates provisionally in running bills in proportion to the quantum of items executed at the discretion of Engineer-in-charge. In case of item rates, if the rate quoted for certain items are very high in comparison to the average/overall tendered premium, then the payment at running stages shall not be made more than the average sanctioned premium. The deferred payment, will however be released after successful completion of work.

Clause 30: Contractor's percentage, whether applied to net or gross amount of bills:

The percentage referred to in the "Tender for works" will be deducted/added-from/to the gross amount of the bill before deducting the value of any stock issued.

Clause 31: Contractor to adhere to labour laws/regulation:

The Contractor shall adhere to the requirements of the Workmen's Compensation Act and Labour Legislation in force from time to time and be responsible for and shall pay any compensation to his workmen which would be payable for injuries under the workmen Compensation Act, hereinafter called the said Act. If such compensation to his workmen which would be payable for injuries under the Workmen's Compensation Act, hereinafter called the said Act. If such compensation is paid by the State as Principal employer under Sub Section (1) of section 12 of the said Act, on behalf of the contractor it shall be recoverable by the State from the Contractor under sub Section (2) of the said section. Such compensation shall be recovered in the manner laid down in clause I of the conditions of contract.

"All Contract with Government shall require registration of workers under the Building & other Construction Workers (Regulation of Employment & Conditions of Services) Act, 1996 and extension of benefit to such workers under the Act."

Clause 32 : Withdrawal of work from the Contractor:

If the Engineer-in-charge shall at any time and for any reasons, whatever, including inability to maintain prorata progress, think any portion of the work should not be executed or should be withdrawn from the contractor, he may by notice in writing to that effect, require the Contractor not to execute the portion of the work specified in the notice, or may withdraw from the Contractor the portion of work, so specified, and the Contractor shall not be entitled to any compensation, by reason of such portion of work having been withdrawn from him. The Engineer-in-charge may supplement the work by engaging another agency to execute such portion of the work at the cost of the original contractor without prejudice to his rights under clause 2. He shall also be competent to levy compensation for delay in progress. The recovery of excess cost shall be made from next available running bill or any other claim and shall not be deferred.

Clause 33:

The contract includes clearance, levelling and dressing of site within a distance of 15 meters of the building on all sides except where the building adjoins another building.

Clause 34: Protect works:

The contractor shall arrange to protect at his own cost, in an adequate manner all out stone work and other work, requiring protection and to maintain such protection, as long as work is in progress. He shall remove and replace this protection as required by the Engineer-in-charge, from time to time. Any damage to the work, so protected on matter how it may be caused, shall be made good by the Contractor free of cost.

All template, forms, moulds, centering, false works and models, which in the opinion of the Engineer-in-charge, are necessary for the proper and workman like execution of the work, shall be provided by the Contractor free of cost.

Clause 35 : Contractor liable for settlement of claims caused by his delays :

If the progress of the work has fallen so much in arrears as to prevent other contractors from the work from carrying out their part of the work within the stipulated time he will be liable for the settlement of any claim, put in by any of these contractors for the expenses of keeping their labour unemployed, to extent considered reasonable by the Engineer-in-charge.

Clause 36 A:

The liability, if any, on account of quarry fees, royalties, octroi and any other taxes and duties in respect of materials actually consumed on public work, shall be borne by the Contractor.

Clause 36 B:

The cost of all water connection, necessary for the execution of work, and the cost of water consumed and hire charges of meters and the cost of electricity consumed in connection with the execution of work, shall be paid by the Contractor except where otherwise specifically indicated.

Clause 36 C : Payments of Sales Tax and any other Tax :

Royalty or other tax on materials, issued in the process of full-filling contract payable to the Government under rules in force, will be paid by the Contractor himself.

Clause 36 D:

In respect of goods and materials procured by the Contractor for use in works under the contract, sales tax will be paid by the Contractor himself. But in respect of all such goods manufactured and supplied by the Contractor works executed under the contract, the responsibility of payment of sales tax would be that of the Engineer-in-charge.

Clause 37 : Refund of Performance Guarantee and Security Deposit :

The Performance Guarantee and/or Security Deposit will be refunded after the expiry of the period as prescribed below :-

- (a) **Three years** from the date of actual completion of the following works :
 - (i) New Road / Bridge / CD works, Road Widening, Strengthening, Up-gradation.
 - (ii) Special repairs to roads.
 - (iii) Special repairs to Bridge / CD Works
- (b) **Three years** from the date of actual completion for renewal & Repair to roads (excluding Strengthening) / Bridges/ CD Works
- (c) **Ordinary repairs** : 3 months after completion of the work provided the final bill has been paid.
- ¹[(d) Original works/special repairs works : Security deposit will be refunded six months after completion, or expiry of one full rainy season, or after expiry of defect liability period as defined in the special condition of agreement, whichever is later provided the final bill has been paid.]
- ²[(e) In case of PWD original works/special repairs works costing more than Rs. 10.00 lacs, partial amount of Security Deposit will be refunded during the defect liability period @ 10% of SD amount after lapse of one year of completion and there after 10% of original amount of SD at the end of each subsequent year. The remaining amount of SD be refunded after the expiry of defect liability period.

Clause 38 : Fair Wage Clause :

- (a) The Contractor shall pay not less than fair wages/minimum wages to labourers engaged by him on the work as revised from time to time by the Government but the Government shall not be liable to pay anything extra for it except as stipulated in price escalation clause (clause 45) of the agreement.
Explanation : "Fair Wage" means minimum wages for time or piece work fixed or revised by the State Government under the Minimum Wages Act, 1948.
- (b) The Contractor shall, notwithstanding the provisions of any contract of the contrary, cause to be paid fair wages to labourers indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work as if the labourers have been immediately or directly employed by him.
- (c) In respect of all labourers immediately or directly employed on the work for the purpose of contractors part of this agreement, the Contractor shall comply with or cause to be complied with the Public Work Department Contractor's Labour Regulations made, or that may be made by the Government, from time to time, in regard to payment of wages, wage period, deductions from wages, recovery of wages not paid, and unauthorised deductions, maintenance of wages register, wages card, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and other matters of a like nature.

- (d) The Engineer-in-charge shall have the right to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers, by reasons of non-fulfillment of the conditions of the contract, for the benefit of the worker or workers, non-payment of wages or of deduction made therefrom, which are not justified by the terms of the contract, or as a result of non-observance, of the aforesaid regulations.
- (e) Vis-a Vis, the Government of Rajasthan, the Contractor shall be primarily liable for all payments to be made and for the observance of the regulations aforesaid, without prejudice to his right to claim indemnity from his sub-contractors.
- (f) The regulations, aforesaid, shall be deemed to be part of this contract and any breach, thereof, shall be deemed to be breach

Clause 39 : Contractor to engage technical staff :

The Contractor shall engage the technical staff, as follows, on the contract works.

- (a) For works costing Rs. 100 lac and above-One Graduate Engineer.
- (b) For works costing between Rs. 50 lac to Rs. 100 lac-One qualified Diploma Holder having experience of not less than 3 years.
- (c) For works costing between Rs. 15 lac and Rs. 50 lac-One qualified Diploma Holder.

The technical staff should be available at site, whenever required by Engineer-in-charge to take instruction.

Clause 39 A :

The Contractor shall comply with the provisions of the Apprenticeship Act, 1961, and the Rules and Orders issued, thereunder, from time to time. If he fails to do so, his failure will be breach of contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

Clause 40: Safety Code:

The Contractor shall follow the safety code of the Department.

Clause 41 : Near Relatives barred from tendering:

The Contractor shall not be permitted to tender for works, in Circle, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of persons, who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Organization/Department. Any breach of this condition by the Contractor would render him liable to be removed from the approved list of Contractors of the Department. If such fact is noticed (a) before sanction of tender, his offer shall be declared invalid and earnest money, shall be forfeited, (b) after sanction of the tender men the tender sanctioning authority may at his discretion forfeit his earnest money, performance guarantee, security deposit and enlistment deposit and the work/remaining work may allot to any registered contractor on the same rates as per rules.

Note: By the term 'near relative' is meant wife, husband and grand parents, children and grand children, brothers and sisters, uncles and cousins and their corresponding in-laws.

Clause 42: Retired Gazetted Officers barred for 2 years:

No Engineer of Gazetted rank or other Gazetted Officer, employed in Engineering or Administrative duties in an Engineering Department of the Government of Rajasthan, is allowed to work as a Contractor for a period of 2 years of his retirement from Government service without the previous permission of Government of Rajasthan. The contract is liable to be cancelled, if either the Contractor or any of his employee is found, at any time, to be a person, who had not obtained the permission of Government, as aforesaid, before submission of the tender of engagement in the Contractor's service, as the case maybe.

Clause 43 : Quality Control:

The Government shall have right to exercise proper Quality Control measures. The Contractor shall provide all assistance to conduct such tests.

Clause 43A:

The Work (whether fully constructed or not) and all materials, machines, tools, and plant, scaffolding, temporary buildings and other things connected therewith, shall be at the risk of the Contractor until the work has been delivered to the Engineer-in-charge, and a certificate from him, to the effect obtained.

Clause 44: Death of Contractor:

Without prejudice to any of the rights or remedies under the contract, if the Contractor dies, the legal heirs of the Contractor or the Chief Engineer or duly authorised Engineer shall have the option of terminating the contract without any compensation.

Clause 45: Price Variation Clause:

If, during the progress of the contract of value exceeding Rs. 50 lakh (accepted tendered amount minus cost of material supplied by the department), and where stipulated completion period is more than 3 months (both the conditions should be fulfilled), the price, of any materials/bitumen/diesel/petrol/cement and steel incorporated in the works (not being materials to be supplied by the department) and/or wages of labour- increases or decreases, as compared to the price and/or wages prevailing at the date of opening of tender or date of negotiations for the work the amounts payable to contractors for the work shall be adjusted for increase or decrease in the rates of materials (excepting those materials supplied by the department)/labour/bitumen/diesel/per ton/cement and steel. If negotiated rates have been accepted; prices as on the date of negotiation shall be considered for price adjustment. Similarly, if rates received on the date of opening of tenders have been accepted then prices on the date of opening of tender shall be considered for price adjustment.

[Increase or decrease in the cost of labour/material/bitumen/diesel/petrol and cement steel shall be calculated quarterly in accordance with the following formula:]

(A) Labour:

$$V_L = 0.75 \times \frac{P_L}{100} \times R \times \frac{I_L - I_{L0}}{I_{L0}}$$

V_L = Increase or decrease in the cost of work during the quarter under consideration due to change in rates for labour.

R = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

I_{L0} = The average consumer price index for industrial workers (whole-sale prices) for the quarter in which tender were opened/negotiated (as Reserve Bank of India Journal/ Labour Bureau Simla, for the area).

I_L = The average consumer price index for industrial workers (whole-sale prices for the quarter of calendar year under consideration (as published in Reserve Bank of India Journal/ Labour Bureau Simla, for the area).

P_L = Percentage of labour components.

Note: In case of revision of minimum wages by the Government of other competent authority, nothing extra would be payable except the price escalation permissible under this clause.

(B) Material (excluding material supplied by the department).

$$V_M = 0.75 \times \frac{P_M}{100} \times R \times \frac{L_M - L_{M0}}{L_{M0}}$$

V_M = Increase or decrease in the cost during the quarter under consideration due to change in the rates of material.

R = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

L_{M0} = The average wholesale price index (all commodities) for the quarter in which tenders were opened/negotiated (as published in Reserve Bank of India Journal/Economic Adviser to Government of India, Ministry of Industries, for the area).

L_M = The average wholesale price index (all commodities) for the quarter under consideration (as published in Reserve Bank of India Journal/Economic Adviser to Government of India, Ministry of Industries, for the area). PM = Percentage of material components (excluding materials supplied by the Department).

(C) Bitumen

$$V_b = 0.85 \times \frac{P_b}{100} \times R \times \frac{(B_1 - B_0)}{B_0}$$

V_1 = Increase or decrease in the cost of work during the month under consideration due to changes in the rate for bitumen.

R = The value of the work done in rupees during the month under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

B_0 = The official retail price of bitumen at the IOC depot at nearest center on the day 28 days prior to date of opening of Bids.

B_1 = The official retail price of bitumen of IOC depot at nearest center for the 15th day of the month under consideration.

P_b = Percentage of bitumen component of the work.]

(D) Petroleum

$$V_1 = 0.75 \times \frac{P_r}{100} \times R \times \frac{(F_1 - F_0)}{F_0}$$

V_1 = Increase or decrease in the cost of work during the quarter under consideration due to change in rates for fuel and lubricants.

R = The value of the work done in rupees during the quarter under consideration excluding the cost of materials supplied by the department and excluding other items as mentioned in this clause.

F_0 = The average wholesale price index of High Speed Diesel (HSD) as published by the Economic Adviser to the Government of India, Ministry of Industry on the day of opening of tender/negotiations.

F_1 = The average whole sale price Index of H.S.D. for the quarter under consideration as published weekly by the Economic Adviser to the Government of India, Ministry of Industry for the quarter under consideration.

P_r = Percentage of fuel and lubricants components excluding fuel and lubricants supplied by the Department (Specified in the sanctioned estimate for the work).

R = Total work done during the quarter as prescribed under this clause.

Note: For application of this clause price of HSD is chosen to indicate fuel and lubricant component.

11(E) Cement

$$V_0 = 0.75 \times \frac{P_c}{100} \times R \times \frac{(L_1 - L_{co})}{L_{co}}$$

V_c = Increase or decrease in the cost of work during the quarter under consideration due to change in the rates of cement.

R = The value of the work done in rupees during the quarter under consideration excluding the cost of cement supplied by the department and excluding other items as mentioned in this clause.

L_{co} = The average wholesale price index for the quarter in which tenders were opened/negotiated (as published by the Economic Adviser to the Government of India, Ministry of Industries).

L_{c1} = The average whole sale price Index for the quarter under consideration (as published by the Economic Adviser to the Government of India, Ministry of Industries).

P_c = Percentage of cement components (excluding cement supplied by the Department).

(F) Steel

$$V_s = 0.75 \times \frac{P_s}{100} \times R \times \frac{(L_{s1} - L_{s0})}{L_{s0}}$$

V_s = Increase or decrease in the cost of work during the quarter under consideration due to change in the rates of steel.

R = The value of the work done in rupees during the quarter under consideration excluding the cost of steel supplied by the department and excluding other items as mentioned in this clause.

L_{s0} = The average wholesale price index for the quarter in which tenders were opened/negotiated (as published by the Economic Adviser to the Government of India, Ministry of Industries).

L_{s1} = The average whole sale price Index for the quarter under consideration (as published by the Economic Adviser to the Government of India, Ministry of Industries).

P_s = Percentage of steel components (excluding steel supplied by the Department).]

Clause 45A : Price Variation in installation of elevators, supply/installation of Centrally Air Conditioning and Central Evaporating Cooling Works.

In all cases of contracts for installation of elevators, supply/installation of Central Air Conditioning and Central Evaporating Cooling Works, the price quoted shall be based on the Indian Electrical and Electronics Manufacturers Association (IEEMA) price variation clause based on the cost of raw materials/components and labour cost as on the date of quotation/tender, and the same is deemed to be related to wholesale price index number of metal products and All India Average consumer price index number of industrial workers as specified below. In case of any variation in these index numbers, the prices shall be subject to adjustment up or down in accordance with following formula.

$$P = \frac{P_o}{100} \left(15 + 55 \frac{MP}{MP_o} + 15 \frac{W_o(D)}{W_o} + 15 \frac{W_o(1)}{W_o} \right)$$

Where:

P= Price payable as adjusted in accordance with the above price variation formula.

P_o= Price quoted/confirmed.

MP_o= Wholesale Price Index Number for metal product as published by the office of the Economic Adviser, Ministry of Industry, Government of India, in their weekly bulletin. Revised Index Number of Wholesale Prices (Base : 1981 - 82-100) for the week ending first Saturday of the relevant calendar month. The relevant month shall be that in which price was offered or negotiated whichever is later.

W_o= All India Average Consumer Price Index Number for Industrial workers (Base : 1982=100), as published by Labour Bureau, Ministry of Labour, Government of India, for relevant calendar month. The relevant month shall be that in which price was offered or negotiated whichever is later.

The above index number MP_o & W_o are those published by IEEMA as prevailing on the first working day of the calendar month FOUR months prior to the date of tendering.

MP= Wholesale Price Index Number of Metal Products as published by the office of Economic Adviser, Ministry of Industry, Government of India, in their weekly bulletin Revised Index Number of wholesale prices (Base : 1981-82=100). The applicable wholesale price Index Number for Metal Products as prevailing on 1st Saturday of the month covering the date FOUR months prior to the date of delivery and would be as published by IEEMA.

W_o(D)= All India Average Consumer Price Index Number for Industrial workers prevailing for the month covering the date FOUR months prior to the date of delivery of manufactured material and would be as published by IEEMA.

W_o(1)= All India Average Consumer Price Index Number for Industrial workers (Base : 1982= 100) as published by Labour Bureau, Ministry of Labour, Government of India. The applicable All India Consumer Price Index Number of Industrial workers prevailing for the FOUR months prior to the date of completion of installation/progress parts of installation and would be as published by IEEMA. The date of delivery shall be the date on which the manufactured material is actually supplied at site. The date of completion of installation (or progress part of installation shall be the date on which the work is notified as being completed and is available for inspection/duly tested. In the absence of such notification, the date of completion is not intimated, such completion shall be considered by the Engineer-in-charge which shall be final.

Note-1 The Wholesale Price Index Number for Metal Products is published weekly by the office, of the Economic Adviser, but if there are any changes, the same are incorporated in the issue appearing in the following week. For the purpose of this Price Variation Clause, the final index figures shall apply.

Note-2 The sole purpose of the above stipulation is to arrive at the entire contract under the various situations. The above stipulation does not indicate any intentions to sell materials under this contract as movables.

Note-3 The indices MP & W_o are regularly published by IEEMA in monthly basic price circulars based on information, bulletins from the authorities mentioned. These will be used for determining price variation and only IEEMA Circulars will be shown as evidence, if required.

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General Conditions for admissibility or Escalation

1. The exact percentage of labour/material (excluding materials to be supplied by the department) bitumen/diesel and petrol/cement/steel component for the work shall be approved by the authority while sanctioning the detailed Estimates.
2. The breakup of components of labour/materials (excluding materials to be supplied by the department) bitumen/diesel and petrol/cement/steel as indicated in Clause 45 have been pre-determined as below:-

(a) Labour-----	percent
(b) Material-----	percent
(c) Bitumen-----	percent
(d) Diesel and Petrol-----	percent
(e) Cement-----	percent
(f) Steel-----	percent
Total-----100%]	
3. While allowing price escalation the following shall be deducted from the value of work done (R):
 - (a) Cost of material supplied by the Department.
 - (b) Cost of services rendered as per Clause 34.
 - (c) Secured Advance/any advance added earlier but deducted now after work is measured.
 - (d) Cost of extra items, the rates for which have been worked out based on market rates/mutually agreed rates.
4. The first statement of escalation shall be prepared at the end of three months in which the work was awarded and the work done from the date of start to the end of this period shall be taken into account. For subsequent statement, cost of work done during every quarter shall be taken into account. At the completion of work, the work done during the last quarter or fraction, thereof, shall be taken into account.
5. For the purpose of reckoning the work done during any period, the bills prepared during the period shall be considered. The dates of recording measurements in the Measurement Book by the Assistant Engineer shall be the guiding factor to decide the bills relevant to any period. The date of completion, as finally recorded by the competent authority in the Measurement Book, shall be the criterion.
6. The index relevant to any quarter, for which such compensation is paid, shall be the arithmetical average of the indices relevant of the calendar month.
7. Price adjustment clause shall be applicable only for the work that is carried out within the stipulated time, or extension thereof, as are not attributable to the contractor.
8. If during the progress in respect of contract works stipulated to cost '[Rs.50 lacs] or less, the value of work actually done excluding cost of material supplied by the Department, exceeds Rs. 100 lac and completion period is more than '[6 months] then escalation would be payable only in respect of value of work in excess over '[Rs.50 lacs.] from the date of satisfying both the conditions.
9. Where originally stipulated period is '[6 months] or less but actual period of execution exceeds beyond '[6 months] on account of reasons not attributable to contractor, escalation amount would be payable only in respect of extended period if amount of work is more than '[Rs.50 lacs].
10. In case the contractor does not make prorata progress in the first or another time span and the short fall in progress is covered up by him during subsequent time span within original stipulated period then the price escalation of such work expected to be done in the previous time span shall be notionally given based upon the price index of that quarter in which such work was required to be done.
11. No claims for price adjustment other than those provided herein, shall entertained.
12. If the period of completion including extended period attributable to Government exceeds twelve months but cost does not exceeds more than '[Rs.50 lacs,] no escalation is admissible.
13. Similarly, if cost of works increases more than '[Rs.50 lacs] but completion period including extended period attributable to government is less than '[6 months.] no escalation is admissible.
14. No provisional escalation is payable on the basis of indices of the previous quarter in absence of non publication of indices for concerned quarter by the RBI.
15. Escalation is always payable quarterly and no provisional escalation is payable monthly or fortnightly.
16. In case at the time of executing agreement, both the conditions (completion period '[6 months] and amount of work '[Rs.50 lacs] for admissibility of price escalation are not fulfilled and subsequent due to additional work and extension of time attributable to Government, both the conditions become fulfilled, in that case the escalation shall be payable from the date of satisfying both the conditions and only for work done beyond '[Rs.50 lacs] and in period of work beyond '[6 months].
17. The contractor shall for the purpose of this conditions keep such books of account and other documents as are necessary to show the amount of any increase climbed or reduction available and shall allow inspection of the same by a duly aduthorised representative of Government and further shall at the request of the Engineer-in-charge furnish, verified in such a manner as the Engineer-in-charge may require any documents so kept and such other information as the Engineer-in-charge may require.

by a duly authorised representative of Government and further shall at the request of the Engineer-in Charge furnish, verified in such a manner as the Engineer-in-Charge may require any documents so kept and such other information as the Engineer-in charge may require.

18. Price variation clause shall be applicable in case of lump sum contracts estimated to more than Rs. 100 Crore with stipulated completion period of more than 18 months.
19. The component of operation and maintenance (O&M) cost included in the contract price shall not be subject to price variations. The price may be adjusted by the use of prescribed formula (or formulae) which breaks down the total price into components.
20. The amount of price variation in case of lump sum contracts will be made by adding or deducting, as the case may be, from the payments made at the stages of work specified in the contract document.

Clause 46: Force Majeure:

Neither party shall be liable to each other, for any loss or damage, occasioned by or arising out of acts of God such as- unprecedented floods, volcanic eruptions, earthquake or other invasion of nature and other acts.

Clause 47: General Discrepancies and errors:

In case of percentage rate tenders, if there is any typographical or clerical error in the rates shown by the department in the "G" Schedule, the rates as given in the basic Schedule of Rates of the Department for the area shall be taken as correct.

Clause 48: Post payment Audit & Technical Examination:

The Government shall have right to cause an audit and technical examination of the works, and the final bills of the contractor, including all supporting vouchers, abstracts etc., to be made within 2 years after payment of the final bill, and if, as a result of such • audit and technical examination, any sum is found to have been over paid in respect of any work done by the Contractor under the contract or any work claimed by him to have been done by him under the contract and found not to have been executed below specification, the Contractor shall be liable to refund the amount of overpayment, and it shall be lawful for department to recover the same from him in the manner prescribed in Clause 50 or in any other manner legally permissible and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by the Government to the Contractor.

Clause 48 A: Pre Check or Post Check or Bills:

The Government shall have right to provide a system of pre-check of Contractor's bills by a specified Organisation, and payment by an Engineer or an Accounts Officer/Sr. Accounts Officer/Chief Accounts Officer/Financial Advisor, as the Government may in its absolute discretion prescribe. Any over - payments/excess payment detected, as a result of such pre-check or post-check of Contractor's bills, can be recovered from the contractor's bills in the manner, hereing before provided and the Contractor will refund such over/excess payments.

Clause 48 B: Check Measurements:

The department reserves to itself, the right to prescribe a scale of check measurement of work in general, or specific scale for specific works or by other special orders (about which the decision or the Department shall be final) Checking of measurement by superior officer shall supersede measurements by the subordinate officer and the former will become the basis of the payment. Any over/excess payment detected, as a result of such check measurement or otherwise at any stage upto the date of completion and the defect removal period specified else-where in this contract shall be recoverable from the Contractor, as any other dues payable to the Government.

Clause 49: Dismantled Materials;

The Contractor in courses of the work, should understand that all materials e.g. stone, bricks, steel and other materials obtainable in the work by dismantling etc. will be considered as the property of the Government and will be disposed off to the best advantage on the Government. As per direction, of the Engineer-in-charge.

Clause 50: Recovery from Contractors:

Whenever any claim against the Contractor for the payment of a sum of money arises out of or under the contract, the Department shall be entitled to recover such sum be appropriating in part or whole of the Performance Guarantee and/or Security Deposit. Security Deposit at the time of enlistment of the Contractor. In the event of the security being insufficient, or if no security has been taken, thereafter, may become due to the Contractor, under this or any other contract with the Governor of Rajasthan. Should this sum be not sufficient to cover the full amount recoverable the Contractor shall pay to the Department on demand the balance remaining dues.

The department shall, further, have the right to effect such recoveries under Public Demands Recovery Act.

Clause 51: Jurisdiction of Court:

In the event of any dispute arising between the parties hereto, in respect or any of the matters comprised in this agreement, the same shall be settled by a competent court having jurisdiction over the place, where agreement is executed any by no other court, after completion of proceedings under Clause 23 of this contract.

Clause 52 :Road:

In continuation to previous order dated 02.07.2010 the condition for additional performance security has modified by Empowered Board in meeting held on dated 27-08-2010 as follows:

1. For the future cases rate analysis for specific project shall be worked out by S. E. PWD circle concerned considering geographical conditions/parameters, availability of material and manpower at site, etc. This rate analysis is to be submitted in sealed envelope before opening financial bid.
2. After receiving a bid if the difference between lowest successful bidder rate/amount and department project specific rate analysis is more than 10% then the bid shall be considered unbalanced and amount equal to this difference amount shall be taken as additional performance security from the successful bidder.
3. In case of the tenders floated before 02.07.2010 the project specific rate analysis may be prepared afresh as above by concerned SE and amount of additional performance guarantee be decided accordingly. The other conditions of order dated 02-07-2010 will remain same.

Building:

In continuation to previous order's of Chief Engineer and Additional Secretary no., F.5 (15) (177) / Sec. II/2009/D-45 dated 16.09.2010 these order will be applicable for building works (Civil and Electrical) also with immediate effect on BSR and non BSR rates.

**Schedule of Materials to be supplied by the Department, if available
(Referred to in Clause 10)**

Sl. No.	Particulars	Quantity	Rates		Place of Delivery
			Unit	Rupees	

very



Sl.No.	Item	Rate	Place of Delivery/Return

Progress Statement Referred to in Clause 2 of Conditions of Contract

Name of Works	Date from which the work should be commenced	Date by which the work should be completed	Monthly rate of progress

The Contractor has been informed that his tender has been accepted.

Dated.....Signature of Engineer-in-charge Dated.....Signature of Contractor

Notes: For filling in the Progress Statement From

- Columns 2, 3 and 4 must be initialled and dated by the Contractor.
- Column 4 must be initialled and dated by the Chief Engineer or other duty authorised Engineer also.
- The date in column 2 should correspond to the date on which the order to commence work is given to the contractor read with Clause 2 of the conditions of contract.
- The date in column 3 must correspond to the period stated in Sub clause (e) of the Memorandum below. "Tender for works."
- Column 4 This will ordinarily be worked out proportionately; thus if Rs. 24,000/- is the cost of the whole of portion of work tendered for, and six months period of completion, then the monthly rate of progress should be Rs. 4,000. If necessary quantities may also be specified in this column at the discretion of the Chief Engineer.
- The Certificate as to intimation of acceptance of tender printed at the foot of the form, must be signed and dated both by the Chief Engineer or other duty authorised Engineer and the Contractor.

ANNEXURE TO APPENDIX XI
RAJASTHAN PUBLIC WORKS DEPARTMENT CONTRACTORS
LABOUR REGULATIONS

1. **Short Title :** These Regulations may be called "The Rajasthan Public Works Department Contractor's-Labour Regulations."
2. **Definition :** In these Regulations unless otherwise expressed or indicated, the following works and expressions shall have the meaning hereby assigned to them respectively, that is to say:
 - (i) **"Labour"** means works employed by a Rajasthan P.W. Department contractor directly, or indirectly through a sub-contractor or other person by an agent on his behalf.
 - (ii) **"Fair Wage"** means minimum wages for time or piece work fixed or revised by the State Government under the Minimum Wages Act, 1948
 - (iii) **"Contractor"** Shall include every person whether sub-contractor or headman or Agent employing labour on the work taken on contract,
 - (iv) **"Wages"** shall have the same meaning as defined in the Payment of Wages Act and includes time and piece, rate wages.
3. **Display of Notice regarding wages etc. :** The contractor shall (a) before he commences his work on contract, display and correctly maintain and continue to display and inconspicuous place on the work notices in English and the correctly mainatian in Hindi by the majority of the workers giving the rate of wages which have been certified by the Executive, Engineer, the Superintending Engineer, the Chier Engineer or Labour commissioner as fair wages and the hours of 'orks for which such wages are earned, and (b) send a copy of such notices to the Certifying Officers.
4. **Payment of Wages :**
 - (i) Wages due to every worker shall be paid to him direct.
 - (ii) All wages shall be paid in current coin or currency or in both.
5. **Fixation of wage periods:**
 - (i) The contractor shall fix the wage periods in respect of which the wages shall be payable.
 - (ii) No wage period shall exceed one month.
 - (iii) Wages of every workman employed on the contract shall be paid before the expiry often days after the last day of the wage peroid in respect of which the wages are payable.
 - (iv) When the employment of any worker is terminated by or on behalf or the contractor, the wages earned by him shall be paid before the expiry of the day succeeding the one on which his employment is terminated.
 - (v) All payments of the wages shall be made on a working day except when the work is completed before the expiry of the wage period, in which case, final payments shall be made within 48 hours of the last working day.

Note: The term "working day" means a day on which labour is employed in progress.
6. **Wage Book and Wage Slips etc.**
 - (i) The contractor shall maintain a Wage Book of each worker in such form as may be convenient but the same shall include the following particulars:
 - (a) Rate of daily or monthly wages.
 - (b) Nature of work on which employed
 - (c) Total number of days worked during each wage period.
 - (d) Total amount pay ably for the work during each wage period.
 - (e) All deductions made form the wages wi th an indication is each case of the ground for which the deduction in made.
 - (f) Wages actually paid for each wage period.
 - (ii) The contractor shall also maintain a wage slip for each worker emplbyed on the work.
 - (iii) The Executive Engineer may grant an exemption form the maintenance of the wage books and wages slips to a contractor who, in his opinion, may not directly or indirectly employ more than 50 persons on the work.

Fines and deductions which may be made from wages:

- (i) The wages of a worker shall be paid to him without any deductions of any kind except those authorised, namely the following.
 - (a) Fines.
 - (d) Deductions for absence from duty i.e. from the place or places where, by the terms of his employment, he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
 - (c) Deductions for damages to or loss of goods expressly entrusted to the employed person for custody or for loss or any other deductions of money, which he is required to account where such damages or losses are directly attributable to his neglect or default.
 - (ia) The Rajasthan Government may, from time to time, allow deductions other than those specified in clause I above.
 - (ii) No fines shall be imposed on a worker and on deductions for damage or loss shall be made until worker has been given an opportunity of showing cause against each fine or deductions.
 - (iii) The total amount of fines, which may be imposed in any one wage period on a worker, shall not exceed an amount equal to three paise in rupee of the wage payable to him in respect of that wage period.
 - (iv) No fine imposed on any worker shall be recovered from him by installments or after expiry of 60 days from the date on which it was imposed.
8. **Register of fines etc:** The contractor shall maintain a register of fines and of all deductions for damage or loss. Such register shall mention the reasons for which fine was imposed or deduction for damage or loss was made. The Contractor shall maintain both in English and local Indian Language a list approved by the Labour Commissioner clearly stating the acts and omission for which penalty or fine may be imposed on a workman and display it in a good condition in conspicuous place on the work.
9. **Preservation of Register :** The wage register, the wage card and the register of fines deduction required to be maintained under these regulations, shall be preserved for 12 months after the date of the 1st entry made in them.
10. **Powers of Labour Welfare Officer to make investigation of enquiry:** The Labour Welfare Officer or any other person, authorized by the State Government on their behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of the fair wage clauses and provisions of the regulation. He shall investigate into any complaint regarding default made by the Contractor or Sub-Contractor in regard to such provisions.
11. **Report of Labour Welfare Officer:** The Labour Welfare Officer or other person, authorized as aforesaid, shall submit a report of the result of his investigation or enquiry to the Executive Engineer concerned indicating the extent, if any to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wage and other dues be paid to the labour concerned in case an appeal is made by contractor under clause 12 of these regulations, actual payment to Labourers will be made by the Executive Engineer after the Labour Commissioner has given decision on such appeal.
12. **Appeal against the decision of Labour Welfare Officers :** Any person aggrieved by the decision and recommendation of the Labour Welfare Officer or other persons, so authorised, may appeal against. Such decision to the Labour Commissioner within 30 days from the date of decision forwarding simultaneously a copy of his appeal to Executive Engineer concerned but subject to such appeal the decision of the Officer shall be final and binding upon the contractor.
- 12-A No party shall be allowed to be represented by a lawyer during any investigation, enquiry, appeal or any other proceedings.
13. **Inspection of Wage Books and Slips :** The contractor shall allow inspection of the wage books and wage slips and register of fines and deductions to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Welfare Officer or any other person authorised by the State Government on his behalf.
14. **Submission of Returns:** The Contractor shall submit periodical returns as may be specified from time to time.
15. **Amendments :** The State Government may, from time to time, add to or amend these regulations and on any questions as to the application, interpretation or effect of these regulations, the decision of the Labour Commissioner to the Government of Rajasthan or any other person authorised by the State Government in the behalf, shall be final.

**SCHEDULE OR FAIR WAGE TO BE GIVEN BY EXECUTIVE ENGINEER LIST OF ACTS
AND COMMISSION FOR WHICH FINE CAN BE IMPOSED**

- (1) Wilful in subordination or disobedience whether alone or in combination with another. (2) The fraud dishonesty in connection with the contractor's business or property of the Rajasthan P.W.D. (3) Taking or giving bribes or any illegal gratification. (4) Habitual attendance. (5) Drunkenness, fighting riot or disorderly or indecent behaviour. (6) Habitual negligence. (7) Smoking near or around the area where combustible or other materials are stocked. (8) Habitual indiscipline. (9) Causing damage work in progress or to property of the Rajasthan P.W.D. or the contractor. (10) Sleeping on duty. (11) Malingering or slowing down work. (12) Giving of false information regarding name, age, father's name. (13) Habitual loss of wages supplied by the employers. (14) Unauthorised use of employer's property or manufacturing or making of unauthorised articles at the work place. (15) Bad workmanship in construction and maintenance by skilled workers is not approved by the department and for which contractors are compelled to undertake rectification. (16) Making false complaints and/or misleading statement. (17) Engaging in trade within the premises of the establishment. (18) Any delinquency business affairs of the employers. (19) Collection or canvassing for the collection of any money within the premises of an establishment unless authorised by the employer. (20) Holding meeting inside the premises without previous sanction of the employer. (21) Threatening or intimidating any workman or employee during the working hours within the premises.

**Schedule showing (approximately) materials to be supplied from the Public Works Store for work
contracted to be executed and the rates of which they are to be charged for**

Particulars	Rate which the materials will be charged to the contractor			Place of Delivery
	Unit	Rs.	NP.	
Doors, with Chowkhats				
-----do-----				
-----do-----				
Windows with Chowkhats				
-----do-----				
-----do-----				
Steel Shapes				
-----do-----				
-----do-----				
Bars Mild Steel				
Sheets Plain, G.I.				
-----do-----				
Corrugated G.I. sheeting, Wire				
Belts Tower				
-----do-----				
Locks, Mortice				
-----do-----				
Rim				
Hinges, Butt				
-----do-----				
Hinges, Spring				
Cement, Portland				

Note : The person or firm submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-Charge on the issue of the form prior to the submission to the tender.

(Signature of Contractor)

(31)

(Signature of Engineer)

Progress Statement Referred to in Clause 2 of Conditions of Contract

Name of Works	Date from which the work should be commenced	Date by which the work should be completed	Monthly rate of progress
1	2	3	4
Particulars	Date when the materials will be charged to the contractor		
Place of delivery			

The Contractor has been informed that his tender has been accepted.

Date :
Engineer iri-charge

Date _____
Contractor _____

**NOTES FOR FILLING IN THE PROGRESS STATEMENT FORM
ON THE LAST PAGE**

1. Columns 2,3 and 4 must be initialled and dated by the contractor.
2. Column A must be initialled and dated by the Chief Engineer or other duly authorised Engineer also.
3. The date in column 2 should correspond to the date on which the order to commence work is given to the contractor; specified in line 3, clause 2, page 3 of the "conditions of contract".
4. The date in column 3 must correspond to the period stated in clause (f) page 2 of the tender.
5. Column 4. This will ordinarily be worked out proportionately; thus if Rs. 24,000/- is the cost of the whole or portion of work tendered for, and six months period of completion, then the monthly rate of progress should be Rs. 4,000. If necessary quantities may also be specified in this column at the discretion of the Chief Engineer.
6. The certificate as to intimation acceptance of tender printed at the foot of the form must be signed and dated both by the Chief Engineer or other duly authorised Engineer and the contractor.

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1.00	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					
	10.0 Sq.mm					
	2 core	10000.00	Mtr.	137.25	Rupees One Hundred & Thirty Seven and Paise Twenty Five Only	1372500.00
	16.0 Sq.mm					
	4 core	3130.00	Mtr.	177.75	Rupees One Hundred & Seventy Seven and Paise Seventy Five Only	556357.50
	25.0 Sq.mm					
	3.5 core	100.00	Mtr.	208.13	Rupees Two Hundred & Eight and Paise Twelve Only	20812.50
	185.0 Sq.mm					
	3.5 core	7408.00	Mtr.	819.00	Rupees Eight Hundred & Nineteen Only	6067152.00
2.00	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.					
	2 x 10.0 sq.mm	500.00	Set	55.00	Rupees Fifty Five Only	27500.00

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	3.5 x 25.0 sq.mm	125.00	Set	114.00	Rupees One Hundred & Fourteen Only	14250.00
	3.5 x 185.0 sq.mm	250.00	Set	395.00	Rupees Three Hundred & Ninety Five Only	98750.00
	4 x 16.0 sq.mm	130.00	Set	108.00	Rupees One Hundred & Eight Only	14040.00
3.00	P & Laying XLPE insulated IS:7098/II/85 of Group1 and approved make H.T.cable for working voltage 11 K.V.Earthed direct in ground including excavation of 30cmx100cm size trench, 25cm layer of river sand, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection testing etc.as required of size.					
	3 core 185.0 Sq.mm	5100.00	Mtr.	1265.63	Rupees One Thousand Two Hundred & Sixty Five and Paise Sixty Two Only	6454687.50
	3 core 70.0 Sq.mm	510.00	Mtr.	753.75	Rupees Seven Hundred & Fifty Three and Paise Seventy Five Only	384412.50
4.00	Providing & making heat shrinkable type indoor/outdoor/ straight through terminations/joint kit of Group1 and approved make suitable for XLPE insulated 11 KV / 33 KV cable, with required components, prepration of cable ends,testing etc. as required of following sizes .					
	11 KV End Termination Kit Indoor type					
	3 core 120/150/185/225 Sq.mm	34.00	Set	3673.13	Rupees Three Thousand Six Hundred & Seventy Three and Paise Twelve Only	124886.25

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	11 KV End Termination Kit Outdoor type					
	3 core 120/150/185/225 Sq.mm	8.00	Set	3898.13	Rupees Three Thousand Eight Hundred & Ninety Eight and Paise Twelve Only	31185.00
	11 KV Straight Through Joint Kit					
	3 core 120/150/185/225 Sq.mm	2.00	Set	9180.00	Rupees Nine Thousand One Hundred & Eighty Only	18360.00
5.00	Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance as required.	125.00	Per set	1650.00	Rupees One Thousand Six Hundred & Fifty Only	206250.00
6.00	Plate Earthing as per IS:3043 with G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer ,nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	45.00	Set	2970.00	Rupees Two Thousand Nine Hundred & Seventy Only	133650.00
7.00	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.					
	8 SWG G.I. (Hot Dipped) Wire	1830.00	Mtr.	8.00	Rupees Eight Only	14640.00

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Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
8.00	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 16mm,1.8m long stay rod and anchor plate 300x300x6.4mm	15.00	Each	785.00	Rupees Seven Hundred & Eighty Five Only	11775.00
9.00	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications.					
	LT cross arm 600 mm long with clamp	15.00	Each	280.00	Rupees Two Hundred & Eighty Only	4200.00
	LT cross arm 1200 mm long with clamp	15.00	Each	480.00	Rupees Four Hundred & Eighty Only	7200.00
10.00	Supply and fixing of porcelain shackle insulator as per IS:1443 1979 suitable for working on 1100 volts including hot dipped GI accessories and heavy duty hardwares etc as required as per Discom specification.					
	100mm x 110mm	45.00	Each	120.00	Rupees One Hundred & Twenty Only	5400.00
11.00	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.	14.00	Each	42500.00	Rupees Forty Two Thousand Five Hundred Only	595000.00
Signature of Tenderer with seal						

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
12.00	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.)	2.00	Each	13150.00	Rupees Thirteen Thousand One Hundred & Fifty Only	26300.00
13.00	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).	2.00	Each	2385.00	Rupees Two Thousand Three Hundred & Eighty Five Only	4770.00
14.00	SITC of 11 KV, 400/630 A, 20kA / 3 sec, Out door, Extensible / Non 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, ring core protection & metering CT, earthing switch, mechanical ON / OFF / Earth indication, Voltage presence indicator, Digital Multi function meter, Shunt trip coil, Anti reflex operating handle, right angle boots etc. as required.	15.00	Per set	376875.00	Rupees Three Lakh Seventy Six Thousand Eight Hundred & Seventy Five Only	5653125.00
15.00	Dismantling/Removing of power line materials collecting from site and depositing the same with AEN office/ store. Refilling pits in compaction, leveling etc. GI wire, stay wire etc. shall be bounded in the shape of coils, if any material is damaged during Dismantling/ transportation replacing/repairing shall be on the part of contractor					

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Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	Stay set	10.00	Nos.	93.00	Rupees Ninety Three Only	930.00
	L.T. Cross arms	101.00	Mtr.	7.00	Rupees Seven Only	707.00
	L.T. Pin insulator	250.00	Nos.	5.00	Rupees Five Only	1250.00
	L.T. Shackle insulator	180.00	Nos.	5.00	Rupees Five Only	900.00
	PCC Pole	99.00	Nos.	155.00	Rupees One Hundred & Fifty Five Only	15345.00
	ACSR Weasel/Rabbit conductor	4332.00	Mtr.	0.70	Rupees and Paise Seventy Only	3032.40
	Horn gap set	5.00	Nos.	300.00	Rupees Three Hundred Only	1500.00
	Isolator	5.00	Nos.	335.00	Rupees Three Hundred & Thirty Five Only	1675.00
	Post Insulator	36.00	Nos.	25.00	Rupees Twenty Five Only	900.00
	11KV cross arm	12.00	Nos.	12.30	Rupees Twelve and Paise Thirty Only	147.60
	11KV Top hamper	12.00	Nos.	10.00	Rupees Ten Only	120.00
	11KV disc insulators	18.00	Nos.	4.50	Rupees Four and Paise Fifty Only	81.00
	11KV disc H/W	9.00	Nos.	4.75	Rupees Four and Paise Seventy Five Only	42.75
	11KV Pin insulators	55.00	Nos.	3.50	Rupees Three and Paise Fifty Only	192.50
	LT Pillar Box	5.00	Nos.	800.00	Rupees Eight Hundred Only	4000.00
16.00	SITC of Cutting back up surface up to 2 Mtr. Depth by digging by Bogi including all layers of crust for laying pipe line etc. and making good to original condition (excluding cost of bitumen)	2000.00	Mtr.	360.00	Rupees Three Hundred & Sixty Only	720000.00

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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
17.00	Supply & fabrication steel structure with MS channel / angle / joist / ISMB / sheet etc. including welding, rivetting, cutting, nut & bolt , Painting etc. as required.	4550.00	Kg	84.38	Rupees Eighty Four and Paise Thirty Eight Only	383906.25
18.00	Providing and laying in position cement concrete including curing, compaction etc. complete in speci					
	M15 grade Nominal Mix 1: 2: 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	15.00	Cum	5240.25	Rupees Five Thousand Two Hundred & Forty and Paise Twenty Five Only	78603.75
19.00	P/F testing and commissining of kiosk type weather proof distribution feeder pillar box of size 600x450x900mm with taper of 75mm at Top for protection of rainwatar and made out of 3.2mm (10gaige) thick CRCA ms sheet frant & back both side openable. completly hinged dorrs with locking arrangement by providing both sides hold draft sand all HIW's for fabrications of box.The cubical pannel should be dust and varmin proof followed by two coats of Powder coated. The cubical pannel should be mounted with HIW an angle iron frame 50mmx50mmx6mm and 900mm lags with hold drafts duly primered and blake painted frame be grouted with cement can crete 1:2:4 ratio and providing brick masonry alang iron frame above grand level. The pannel should camprising of as per following.					
	(a) P/F of 1 No Kanife switch 200 Amp. with U cantrats studs, washers etc.					
	(b) P/F of 10 No. connecting 63 Amp. MCB group-I					
	(c) P/F of 10 No. connecting strips of 63 Amp. 4 pole.					

Signature of Tenderer with seal

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Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	(d) bekalite sheet 9.0mm thiele and size 3x2feet					
	(e) PVC copper wire of 10sqmm flexible connecting to bus bar to MCB					
	(f) Copper bas bar deuble and D type of size 25x5 sqm. strip.					
	(g) Base plate with provission of cable glands of size 185 sqm. to 25 sqm.					
	(h) Provission of cable clamps at sides of bax.	125.00	Each	14794.00	Rupees Fourteen Thousand Seven Hundred & Ninety Four Only	1849250.00
20.00	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 suitable for working voltage 1100 volts including all accessories like hot dip GI forged spindle of 260mm long and nuts etc as reqd as per Discom specification.					
	120mm x 85mm	13.00	Each	85.00	Rupees Eighty Five Only	1105.00
21.00	Providing & making heat shrinkable type indoor/outdoor /straight through terminations/joint kit of Group1 and approved make suitable for XLPE insulated 11 KV / 33 KV cable, with required components, prepration of cable ends,testing etc. as required of following sizes .					
	11KV End Termination Kit Indoor type					
	3 core 70/95 Sq.mm	6.00	Per set	3431.25	Rupees Three Thousand Four Hundred & Thirty One and Paise Twenty Five Only	20587.50
	11KV End Termination Kit Outdoor type					
	3 core 70/95 Sq.mm	2.00	Per set	3656.25	Rupees Three Thousand Six Hundred & Fifty Six and Paise Twenty Five Only	7312.50

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
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Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	11KV Straight Through Joint Kit					
	3 core 70/95 Sq.mm	6.00	Per set	8154.00	Rupees Eight Thousand One Hundred & Fifty Four Only	48924.00
22.00	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required					
	100 mm dia.	50.00	Mtr.	667.00	Rupees Six Hundred & Sixty Seven Only	33350.00
23.00	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	5.00	Each	1319.00	Rupees One Thousand Three Hundred & Nineteen Only	6595.00
24.00	Supply and erection of P.C.C./R.C.C. pole as per REC manual no 15/1979 conforming to IS: 2905/1966 as per requirement of sec3 in alignment, including excavation of pit and back filling with stone aggregate/boulders and soil in 0.45m consolidating each deposited layer of 0.45m by ramming and watering etc complete in all respect.					
	8.0 Mtr long as per Discom specification	15.00	Each	2217.00	Rupees Two Thousand Two Hundred & Seventeen Only	33255.00

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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	9.0 Mtr long (200 Kg) as per Discom specification	2.00	Each	3216.00	Rupees Three Thousand Two Hundred & Sixteen Only	6432.00
25.00	Providing and fixing of MS nut bolts 5/8" dia assorted size. As required	100.00	Kg	28.90	Rupees Twenty Eight and Paise Ninety Only	2890.00
26.00	Providing & fixing of other MS steel items as required	100.00	Kg	24.60	Rupees Twenty Four and Paise Sixty Only	2460.00
	Street light					
27.00	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	104.60	Mtr.	285.00	Rupees Two Hundred & Eighty Five Only	29811.00
28.00	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.					
	6.4 mm thick	3.52	Sq.m	810.00	Rupees Eight Hundred & Ten Only	2851.20
29.00	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 with lugs, testing etc. as required.					
	Single pole MCB					

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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	6 A to 32 A rating	235.00	Each	151.00	Rupees One Hundred & Fifty One Only	35485.00
30.00	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)	42.80	SQ.Mtr	2560.00	Rupees Two Thousand Five Hundred & Sixty Only	109568.00
31.00	Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance as required.	32.00	Set	1650.00	Rupees One Thousand Six Hundred & Fifty Only	52800.00
32.00	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required.					

Signature of Tenderer with seal

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Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	Red/yellow/Green colour	6.00	Each	150.00	Rupees One Hundred & Fifty Only	900.00
33.00	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)	2.00	Each	5746.00	Rupees Five Thousand Seven Hundred & Forty Six Only	11492.00
34.00	SITC of quick make and quick break 3 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	16.00	Each	4348.13	Rupees Four Thousand Three Hundred & Forty Eight and Paise Twelve Only	69570.00
35.00	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand,Ind class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size.					
Signature of Tenderer with seal						

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
SCHEDULE OF WORKS (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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	10.0 Sq.mm					
	2 core	5550.00	Mtr.	137.25	Rupees One Hundred & Thirty Seven and Paise Twenty Five Only	761737.50
	16.0 Sq.mm					
	4 core	2850.00	Mtr.	177.75	Rupees One Hundred & Seventy Seven and Paise Seventy Five Only	506587.50
	25.0 Sq.mm					
	3.5 core	4140.00	Mtr.	208.13	Rupees Two Hundred & Eight and Paise Twelve Only	861637.50
36.00	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, fixed O/L & S/C setting	2.00	Each	3910.50	Rupees Three Thousand Nine Hundred & Ten and Paise Fifty Only	7821.00
37.00	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.					
	8 SWG G.I. (Hot Dipped) Wire	205.00	Each	8.00	Rupees Eight Only	1640.00

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
38.00	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, auuxiliary contacts, Din rail mounting type including making connections, testing etc. as required.					
	4 pole Power contactors with following AC 1 Rating					
	100 Amp	2.00	Each	5744.00	Rupees Five Thousand Seven Hundred & Forty Four Only	11488.00
39.00	P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made from powder coated single piece pressure die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp)					
	Street Light Suitable for HPSV Lamps					
	1 X 250 Watt	140.00	Each	5464.00	Rupees Five Thousand Four Hundred & Sixty Four Only	764960.00
40.00	HPSV Tubular lamp Normal Output					
	250 Watt 28000 Lumens	140.00	Each	550.00	Rupees Five Hundred & Fifty Only	77000.00
41.00	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required					

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
	40 mm dia.	400.00	Mtr.	274.00	Rupees Two Hundred & Seventy Four Only	109600.00
42.00	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 sq.mm	1610.00	Mtr.	37.24	Rupees Thirty Seven and Paise Twenty Four Only	59952.38
43.00	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 with lugs, testing etc. as required.					
	Four pole MCB					
	6 A to 32 A rating	16.00	Each	918.00	Rupees Nine Hundred & Eighteen Only	14688.00
44.00	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 Copper bus bar	6.00	Kg	565.00	Rupees Five Hundred & Sixty Five Only	3390.00

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Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
45.00	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.					
	2 x 10.0 sq.mm	190.00	Set	55.00	Rupees Fifty Five Only	10450.00
	3.5 x 25.0 sq.mm	4.00	Set	114.00	Rupees One Hundred & Fourteen Only	456.00
	4 x 16.0 sq.mm	32.00	Set	108.00	Rupees One Hundred & Eight Only	3456.00
46.00	Plate Earthing as per IS:3043 with G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer ,nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	4.00	Set	2970.00	Rupees Two Thousand Nine Hundred & Seventy Only	11880.00
47.00	SF of Tap-off boxes suitable for following size of approved design.					
	up to 95 sq. mm.(3.5/4 core)	95.00	Each	215.00	Rupees Two Hundred & Fifteen Only	20425.00

Signature of Tenderer with seal

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR						
Name of Work: Shifting and dismantling of existing HT/LT lines by erecting/laying new lines at 100' Sector Road from Narain Paradise and at Railway Line, Zone-16, Jaipur.						
Contract No: NIB NO. EE-Elect.-II/15/2015-16						
Bidder Name:		Excess (+)		%		
<u>SCHEDULE OF WORKS</u>						
(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.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
48.00	Supply and erection of GI Octagonal / Conical pole of following length and dimension as per table E-10 with base plate on the cement concrete foundation of M-20 grade (1:1.5:3) with the help of anchor bolts of grade 6.8 (IS: 1367 P III). The pole shall have a weatherproof flush door and locking arrangements. The complete work shall be supervised and certified by the manufacturers for satisfactory supply, erection, testing and commissioning.					
	Octagonal MS Poles made of S-355JO grade steel sheet , folded lengthwise to obtained Octagonal shape, having single longitudinal seam weld and hot dipped galvanised internally & externally in accordance with IS 2629. (See Table E - 10 for specs.)					
	10 Mtr.	95.00	Each	18700.00	Rupees Eighteen Thousand Seven Hundred Only	1776500.00
49.00	Supply, Erection and Fixing of hot dipped galvanised Overhang (48.3 X 3.25 mm) with cap (400 x 88.9 / 114.3 x 3.25 mm) over the existing poles					
	Single arm overhang	210.00	Mtr.	890.00	Rupees Eight Hundred & Ninety Only	186900.00
Total Estimated Cost in Figures						30575743.58
Quoted Amount					30575743.58	30575744.00
Quoted Rate in Words		Rupees Three Crore Five Lakh Seventy Five Thousand Seven Hundred & Forty Four Only				

Signature of Tenderer with seal