

जयपुर विकास प्राधिकरण, जयपुर

कमरा नं. 102, प्रथम तल, नागरिक सेवा केन्द्र, रामकिशोर व्यास भवन, इन्दिरा सर्किल जवाहर लाल नेहरू मार्ग, जयपुर-302004

दूरभाष : + 91-141-2569696, ई-मेल : ee.electrical03.jda@rajasthan.gov.in

क्रमांक: जविप्रा/अधि.अभि. (विद्युत-III)/2025/डी-498 दिनांक: 28.03.2025

निविदा सूचना

निविदा सूचना: जविप्रा/20/2024-25

जयपुर विकास प्राधिकरण द्वारा "SITC of various electric services of Rajasthan High Court Parking Jaipur" जिसकी अनुमानित लागत राशि रु. 683.66 लाख के लिए ऑनलाईन बिड्स दिनांक 21.04.2025 को सायं 6:00 बजे तक आमन्त्रित की जाती है। निविदा बोली का ऑनलाईन आवेदन व भुगतान जविप्रा पोर्टल पर करने की अन्तिम तिथि. 21.04.2025 को सायं 6.00 बजे तक है। निविदा बोली के दस्तावेजों का विस्तृत विवरण www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in पर देखा जा सकता है।

(UBN No.....)

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

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

अधिशोषी अभियन्ता-(विद्युत-III)
जविप्रा, जयपुर।

JAIPUR DEVELOPMENT AUTHORITY

कमरा नं. 102, प्रथम तल, नागरिक सेवा केन्द्र, रामकिशोर व्यास भवन, इन्दिरा सर्किल जवाहर लाल नेहरू मार्ग, जयपुर-302004

दूरभाष : + 91-141-2569696, ई-मेल : ee.electrical03.jda@rajasthan.gov.in

No:- JDA/EE-(Elect.-III)/2025/D-498 Dated: 28.03.2025

NOTICE INVITING BID

NIB No.: **20/2024-25**

Online Bids are invited up-to 6:00 PM of 21.04.2025 for “SITC of various electric services of Rajasthan High Court Parking Jaipur”. The last date for Applying Bid and making online payment on JDA portal is up-to 6:00 PM of 21.04.2025. The estimated cost of NIB is Rs. 683.66 Lacs. Details may be seen in the Bidding Document at our office or the State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in/jda

To participate in the bid, bidder must:

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

Executive Engineer-(Elect.-III)
JDA, Jaipur

OFFICE OF THE JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

NIB No.- 20/2024-25	
Name & Address of the Procuring Entity	<ul style="list-style-type: none"> ➤ Name: Executive Engineer (Elect.-III), Jaipur Development Authority ➤ Address: Room No. CCC FF-127, CCC building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302004 ➤ ee.electrical03.jda@rajasthan.gov.in
Name of work	➤ SITC of various electric services of Rajasthan High Court Parking Jaipur.
Bid Procedure	Post Assessment Method (Two Part Envelop), open comparative. ➤ e-Bid procedure at http://eproc.rajasthan.gov.in]
Bid Evaluation Criteria (Selection Method)	➤ Post Assessment Method (eg. 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.jda.urban.rajasthan.gov.in
Estimated Procurement Cost	➤ INR 683.66 Lakhs (Rs. Six Hundred Eighty Three Lacs Sixty Six Thousand only)
Website for online Bid application and payment *	<ul style="list-style-type: none"> ➤ Website: www.jda.urban.rajasthan.gov.in ➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee and Bid Security Deposit, online only. <ul style="list-style-type: none"> ○ Bidding document fee: Rs. 2000/- (Rs. Two Thousand only) ○ RISL Processing Fee: Rs. 2500/- (Rs. Two Thousand Five Hundred only) ○ Requisite Bid Security Deposit. ○ The Bidders are required to submit Bid security, cost of Bidding documents, and Bid processing fees through online payment after registering with JDA on www.jaipurjda.org/e-services/e-tender portal. There should be a gap of 3 working days between the End date for Bid Applying, Online Payment & Bid Submission and Bid Opening date. In the absence of the requisite fee, the bid of the concerned bidder will be considered as non-responsive and shall be liable for rejection
Bid Security Deposit (in favor of Secretary, JDA, Jaipur)	<ul style="list-style-type: none"> ➤ Amount (INR: 2% (Rs. 1367320/-) For E-I class contractors registered in the appropriate class with CPWD, Postal, Telegram, Railway, MES, Other State Government/Central Government undertakings /organizations of Estimated Procurement Cost. (The bidder must capable to bid in the bid as per their enlistment) ➤ 0.5 % (Rs. 341830/-) for Bidder registered as a contractor in the E-I, class in JDA. ➤ In case of Departments of the State Government and undertakings, Corporations, Autonomous bodies, Registered Societies, Cooperative Societies which are owned or controlled or managed by the State Government and Government undertakings of the Central Government shall submit a bid securing declaration in lieu of bid security. ➤ If a joint Venture is allowed in the Bid then 2% shall be deposited by bidders (Joint Venture firm)
Start/ End Date for Bid Applying Bid and making Online Payment on JDA portal*	<ul style="list-style-type: none"> ➤ Start Date: 01/04/2025 at 09:30 AM onwards ➤ End Date: 21/04/2025 at 06:00 PM ➤ In case EMD in form BG Original Bank Guarantee is to be submitted in Room No CCC FF 127, Jaipur Development Authority, JLN Marg, Jaipur by 22.04.2025 from 9.30 AM to 24.04.2025 up to 3.30 PM (within three working days from the last date of submission of bid.)
Bid Submission on e-Procurement Portal of GOR**	<ul style="list-style-type: none"> ➤ Start Date: 01/04/2025 at 09:30 AM onwards ➤ End Date: 21.04/2025 at 06:00 PM

Date/Time/Place of pre-Bid	➤ 07.04.2025 at 11:30 AM at JDA office
Date/ Time/ Place of Technical Bid Opening	➤ 25.04.2025 at 11: 00 AM
Date/ Time/ Place of Financial Bid Opening	➤ to be intimated Later ➤ Room No CCC FF 127, Jaipur Development Authority, JLN Marg, Jaipur
Bid Validity	➤ 120 days from the bid submission deadline
Time Period	➤ 6 (Six) Months
A&F/Job No.	➤ Job. No. 549/2022-23

Procedure for bidding:

Single part bid system:

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

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

Docket-2:- is for financial bid.

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

1. **Two part bid system:**

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

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

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

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

Jaipur Development Authority, Jaipur

Office Order

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

Dated: 4-10-2016

Subject: Payment mechanism for participating in tender.

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

A. Payment Options:

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

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

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

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

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

Option-3: Payment Gateway (Aggregator)

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

B. Bid Participation Receipt

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

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

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

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

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


(Pawan Arora)
Secretary

Copy for information and further necessary action to:

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


(Brijesh Kishore Sharma)
OSD (RM)

Jaipur Development Authority

Bid Participation Receipt

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

Bid Detail

Bid Id : 6215152001	Procurement Entity : XXXXXXXXXXXXXXXX
Bid Title : Testing	
Bid Value : 300000	Bid Opening Place : Manthan Hall, Jaipur Development Authority

Bidder Detail

Name of Entity :	XXXXXXXXXXXXX	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

जयपुर विकास प्राधिकरण, जयपुर

क्रमांक-जविप्रा/तसनिअ-1/2024-25/डी- 114

दिनांक 02/09/2024

कार्यालय आदेश

जयपुर विकास प्राधिकरण की 243 वीं बैठक एजेण्डा नं. 243.22 दिनांक 16.08.2024 में लिये निर्णय के क्रम में जयपुर विकास प्राधिकरण में ठेकेदारों के विभिन्न प्रवर्ग एवं श्रेणियों पंजीकृत हेतु निम्नानुसार आदेश प्रस्तारित किये जाते हैं:-

1. जयपुर विकास प्राधिकरण में कार्य की प्रकृति को देखते हुए ठेकेदारों प्रवर्ग निम्नप्रकार होंगे :-

S. No	Categories of Contractors
1	Civil Contractors
2	Electrical Works Contractors
3	Horticulture
4	Consultancy

2. आवेदन शुल्क:- 500 रु. (Non- Refundable)

3. वर्तमान संवर्गों के विभिन्न श्रेणियों की वित्तीय सीमाओं (निविदा करने के योग्य निहित सीमा) पंजीयन शुल्क (Registration fees) प्रतिभूति निक्षेप (Security Deposit) कार्यानुभव व संगठनात्मक ढांचे में निम्न प्रकार संशोधन किया गया है :-

(I) सिविल ठेकेदार:-

- (अ) जयपुर विकास प्राधिकरण में सिविल ठेकेदारों की प्रत्येक श्रेणी के सामने निहित सीमा तक निम्न प्रकार निविदा करने के योग्य होंगे-

S. No	Classes of Contractors	Extent upto Which Qualified to tender for any works
1	"AA" Class	Any amount
2	"A" Class	Upto Rs 10.00 crores.
3	"B" Class	Upto Rs 5.00 crores.
4	"C" Class	Upto Rs 1.50 crores.
5	"D" Class	Upto Rs 30.00 Lacs.

- (ब) जयपुर विकास प्राधिकरण में सिविल ठेकेदारों की प्रत्येक श्रेणी के सामने रजिस्ट्रीकरण (सूचीबद्धकरण) फीस और सूचीबद्धकरण के लिए प्रतिभूति निक्षेप राशि में निम्न प्रकार होगी-

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved



S. No	Classes of Contractors	Registration Fee (In Rs.) (Non-Refundable)	Security Deposit (In Rs.)
1	"AA" Class	45,000.00	12.00 Lacs
2	"A" Class	33,750.00	6.00 Lacs
3	"B" Class	22,500.00	3.00 Lacs
4	"C" Class	9,000.00	1.50 Lacs
5	"D" Class	4,500.00	0.75 Lacs

(स) जयपुर विकास प्राधिकरण में सिविल ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण के लिए पिछले अनुभव में निम्न प्रकार होगा—

S. No	Classes of Contractors	Past Experience for Enlistment
1	"AA" Class	Satisfactorily Completed minimum 2 works each costing not less than Rs. 1.50 Crore and 1 works costing not less than Rs. 2.00 Crore during the last five years.
2	"A" Class	Satisfactorily Completed 2 works each costing not less than Rs. 1.00 crore during five years. Or 3 works not less then 50.00 lacs during the last five years.
3	"B" Class	Satisfactorily Completed 2 works each costing not less than Rs. 50.00 lacs during three years. Or 3 work not less then 25.00 lacs during the last three years.
4	"C" Class	Satisfactorily Completed 2 works each costing not less than Rs. 10.00 lacs during three years. Or 3 works not less then 5.00 lacs during the last three years.
5	"D" Class	No past experience required to new temporary registration.

(द) जयपुर विकास प्राधिकरण में सिविल ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण प्राधिकारी निम्न प्रकार होंगे।

S. No	Classes of Contractors	Enlistment Authority
1	"AA" Class	Jaipur Development Commissioner
2	"A" Class	Director (Engineering)
3	"B" Class	Director (Engineering)
4	"C" Class	T. A. to Director (Engineering)
5	"D" Class	T. A. to Director (Engineering)

(य) जयपुर विकास प्राधिकरण में श्रेणी AA, A, और B में सूचीबद्धकरण चाहने वाले ठेकेदार को एक स्थायी अभियांत्रिकी संगठन रखना चाहिए जो सभी प्रकर्मों पर बड़े निर्माण कार्यों को निपटाने में समर्थ हो। उनको पर्याप्त मशीनरी और औजार आदि अपने अधीन रखने चाहिए जिनके लिए उन्हें ब्यौरे प्रस्तुत करने चाहिए। उन्हे अपने आवेदन के साथ उपस्करों के समित्व को सबूत सहित अपने अभियांत्रिकी संगठन, ऐसे स्टाफ की योग्यताएं और अनुभव के पूरे और भी प्रस्तुत करने चाहिए।
मुख्यतः मशीनरी एवं उपकरण निम्नप्रकार होगी—

Signature Valid
Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

-AA, A, B, C, D श्रेणी में निम्न प्रकार संगठनात्मक ढांचा होगा ।

Classes of Category	Engineer	Machinery	Owened/ lease	Staff	
"AA" Class	Degree holder 5 Years Experience	<ul style="list-style-type: none"> • बिल्डिंग • डामर रोड • सी.सी. रोड • पुल • पीएचईडी 	मिक्सर, वाइब्रेटर आर.एम.सी. कन्क्रीट प्लान्ट हॉट मिक्स प्लान्ट, Static/Tandom/vibrator Roller, Paver machine, sensor, Dumper, Boiler/sprayer, tractor Trolley, Screed vibrator, Vcaum vibrator, vibrator Plates/Niddle, Joint cutter, Water Tanker RMC Plant, Dumpers, Vibrator, Shuttering, JCB's JCB, Hidra, Mixer	Owened/ lease	Sufficient
"A" Class	Degree holder 3 Years Experience	<ul style="list-style-type: none"> • बिल्डिंग • डामर रोड • सी.सी. रोड • पुल • पीएचईडी 	मिक्सर, वाइब्रेटर आर.एम.सी. कन्क्रीट प्लान्ट हॉट मिक्स प्लान्ट, Static/Tandom/vibrator Roller, Paver machine, sensor, Dumper, Boiler/sprayer, tractor Trolley, Screed vibrator, Vcaum vibrator, vibrator Plates/Niddle, Joint cutter, Water Tanker RMC Plant, Dumpers, Vibrator, Shuttering, JCB's JCB, Hidra, Mixer	Owened/ lease	Sufficient
"B" Class	Degree holder	<ul style="list-style-type: none"> • बिल्डिंग • डामर रोड • सी.सी. रोड • पुल • पीएचईडी 	मिक्सर, वाइब्रेटर आर.एम.सी. कन्क्रीट प्लान्ट हॉट मिक्स प्लान्ट, Static/Tandom/vibrator Roller, Paver machine, sensor, Dumper, Boiler/sprayer, tractor Trolley, Screed vibrator, Vcaum vibrator, vibrator Plates/Niddle, Joint cutter, Water Tanker RMC Plant, Dumpers, Vibrator, Shuttering, JCB's JCB, Hidra, Mixer	Owened/ lease	Sufficient
"C" Class	Diploma holder	पर्याप्त मशीनरी एवं उपकरण	Owened/ lease	Sufficient	
"D" Class	प्रथम समय पंजीयन के समय आवश्यक नहीं। 15 लाख से अधिक का कार्य सम्पादित करने पर डिप्लोमाधारी इंजीनियर रखना होगा।				

Signature valid

Digitally signed by Vivek Sharma
 Designation: Superintending
 Engineer
 Date: 2024.09.02 17:48:15 IST
 Reason: Approved

RajKaj Ref No.: 10174940

(II) विद्युत ठेकेदार-

(अ) जयपुर विकास प्राधिकरण में विद्युत ठेकेदारों की प्रत्येक श्रेणी के सामने निहित सीमा तक निम्न प्रकार निविदा करने के योग्य होंगे-

S. No	Classes of Contractors	Extent upto Which Qualified to tender for any works
1	"E-I" Class	Any amount
2	"E-II" Class	Upto Rs 50.00 Lacs.
3	"E-III" Class	Upto Rs 20.00 Lacs.
4	"E-IV" Class	Upto Rs 7.50 Lacs.

(ब) जयपुर विकास प्राधिकरण में विद्युत ठेकेदारों की प्रत्येक श्रेणी के सामने रजिस्ट्रीकरण (सूचीबद्धकरण) फीस और सूचीबद्धकरण के लिए प्रतिभूति निक्षेप राशि में निम्न प्रकार होगी-

S. No	Classes of Contractors	Registration Fee (In Rs.)	Security Deposit (In Rs.)
1	"E-I" Class	9000.00	1.50 Lacs
2	"E-II" Class	4500.00	0.60 Lacs
3	"E-III" Class	2250.00	0.30 Lacs
4	"E-IV" Class	1125.00	0.15acs

(स) जयपुर विकास प्राधिकरण में विद्युत ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण के लिए पिछला अनुभव में निम्न प्रकार होगा-

S. No	Classes of Contractors	Past Experience for Enlistment
1	"E-I" Class	Satisfactorily Completed 2 works each costing not less than Rs. 1.00 crore or 3 works costing not less than Rs. 50.00 lacs during the last three years..
2	"E-II" Class	Satisfactorily Completed 2 works each costing not less than Rs. 25.00 lacs or 3 works costing not less than Rs. 10.00 lacs during the last three years.
3	"E-III" class	Satisfactorily Completed 2 works each costing not less than Rs. 10.00 lacs or 3 works costing not less than Rs. 5.00 lacs during the last three years.
4	"E-IV" class	Should have experience in the line and sufficient staff and equipment with them.

(द) जयपुर विकास प्राधिकरण में विद्युत ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण प्राधिकारी निम्न प्रकार होंगे।

S. No	Classes of Contractors	Enlistment Authority
1	"E-I" Class	Director (Engineering)
2	"E-II" Class	Director (Engineering)
3	"E-III" Class	T. A. to Director (Engineering)
4	"E-IV" Class	T. A. to Director (Engineering)

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

(य) जयपुर विकास प्राधिकरण में विद्युत ठेकेदारों की श्रेणी E-I, E-II, E-III, E-IV में निम्न प्रकार संगठनात्मक ढांचा होगा।

1	"E-I" Class	(क) एक स्नातक अभियन्ता (विद्युत) या एक डिप्लोमा अभियन्ता (विद्युत), जिसको न्यूनतम 3 वर्ष का अनुभव हो और जो विद्युत निरीक्षक, राजस्थान द्वारा "ए" वर्ग संविदाकार के रूप में अनुमोदित हो या जिसके पास राजस्थान या भारत के परिक्षेत्र में किसी भी अन्य राज्य सरकार का पर्यवेक्षण प्रमाणपत्र हो। (ख) उनके पास पर्याप्त उपकरण और औजार आदि (मीगगर, हाइड्रोलिक क्रिम्पिंग टूल, लक्स मीटर, हाईड्रॉ (क्रेन) टॉग टेस्टर आदि) होने चाहिए। नोट-जयपुर विकास प्राधिकरण में विभिन्न कार्य श्रेणियों में पंजीयन के लिए आवश्यक उपरोक्त मशीनरी एवं उपकरण Completely Owned होनी चाहिए।
2	"E-II" Class	(क) एक स्नातक अभियन्ता (विद्युत) या एक डिप्लोमा अभियन्ता (विद्युत), जिसको 2 वर्ष का अनुभव हो और जो विद्युत निरीक्षक, राजस्थान द्वारा "ए" वर्ग संविदाकार के रूप में अनुमोदित हो या जिसके पास राजस्थान या भारत के परिक्षेत्र में किसी भी अन्य राज्य सरकार का पर्यवेक्षण प्रमाणपत्र हो। (ख) उनके पास पर्याप्त उपकरण और औजार आदि (मीगगर, हाइड्रोलिक क्रिम्पिंग टूल, टॉग टेस्टर आदि) होने चाहिए। नोट-जयपुर विकास प्राधिकरण में विभिन्न कार्य श्रेणियों में पंजीयन के लिए आवश्यक उपरोक्त मशीनरी एवं उपकरण Owned or sole agreement पर उपलब्ध होनी चाहिए।
3	"E-III" Class	(क) एक स्नातक अभियन्ता (विद्युत) या एक डिप्लोमा अभियन्ता (विद्युत), जिसको 2 वर्ष का अनुभव हो और जो विद्युत निरीक्षक, राजस्थान द्वारा "बी" वर्ग (न्यूनतम) संविदाकार के रूप में अनुमोदित हो।
4	"E-IV" Class	इस क्षेत्र का अनुभव और पर्याप्त स्टाफ हो और विद्युत निरीक्षक, राजस्थान द्वारा "सी" वर्ग (न्यूनतम) संविदाकार के रूप में अनुमोदित हो।

(III) उद्यान ठेकेदार:-

(अ) जयपुर विकास प्राधिकरण में Horticulture work के ठेकेदारों की प्रत्येक श्रेणी के सामने निहित सीमा तक निम्न प्रकार निविदा करने के योग्य होंगे-

S. No	Classes of Contractors	Extent upto Which Qualified to tender for any works
1	"H-I" Class	Any amount
2	"H-II" Class	Upto Rs 1.00 crores.
3	"H-III" Class	Upto Rs 50.00 Lacs.
4	"H-IV" Class	Upto Rs 30.00 Lacs.

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

- (ब) जयपुर विकास प्राधिकरण में Horticulture work के ठेकेदारों की प्रत्येक श्रेणी के सामने रजिस्ट्रीकरण (सूचीबद्धकरण) फीस और सूचीबद्धकरण के लिए प्रतिभूति निक्षेप राशि में निम्न प्रकार होगी—

S. No	Classes of Contractors	Registration Fee (In Rs.)	Security Deposit (In Rs.)
1	"H-I" Class	15,000.00	5,00,000.00
2	"H-II" Class	10,000.00	1,00,000.00
3	"H-III" Class	5,000.00	50,000.00
4	"H-IV" Class	2,000.00	25,000.00

- (स) जयपुर विकास प्राधिकरण में Horticulture work के ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण के लिए पिछला अनुभव निम्न प्रकार होगा—

S. No	Classes of Contractors	Past Experience for Enlistment
1	"H-I" Class	Satisfactorily Completed 2 works each costing not less than Rs. 50.00 Lac during three years.
2	"H-II" Class	Satisfactorily Completed 2 works each costing not less than Rs. 30.00 Lac during three years.
3	"H-III" class	Satisfactorily Completed 2 works each costing not less than Rs. 15.00 Lac during three years.
4	"H-IV" class	Should have experience in the line and sufficient staff and equipment with them.

- (द) जयपुर विकास प्राधिकरण में Horticulture work के ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण प्राधिकारी निम्न प्रकार होंगे—

S. No	Classes of Contractors	Enlistment Authority
1	"H-I" Class	Director Engineering
2	"H-II" Class	Director Engineering
3	"H-III" Class	T. A. to Director Engineering
4	"H-IV" Class	T. A. to Director Engineering

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

- (य) जयपुर विकास प्राधिकरण में Horticulture work के ठेकेदारों की श्रेणी H-I, H-II, H-III, H-IV में निम्न प्रकार संगठनात्मक ढांचा होगा।

Classes of Category	Engineer	Machinery	Owend/ lease	Satff
H-I	Horticulturist Graduate/ B.Sc. Agriculture / M.Sc. Botnay, Degree/Diploma in forestry	उनके पास पर्याप्त उपस्कर और औजार आदि (टैंकर, ब्लेड, गड्डे खोदने का यंत्र लॉनर मोईंग मशीन आदि)	Completely Owned	Sufficient
H-II	Horticulturist Graduate/ B.Sc. Agriculture / M.Sc. Botnay, Degree/Diploma in forestry	उनके पास पर्याप्त उपस्कर और औजार आदि (टैंकर, ब्लेड, गड्डे खोदने का यंत्र लॉनर मोईंग मशीन आदि)	Owned /lease	Sufficient
H-III	Horticulturist Graduate/ B.Sc. Agriculture / M.Sc. Botnay, Degree/Diploma in forestry	उनके पास पर्याप्त उपस्कर और औजार आदि (टैंकर, ब्लेड, गड्डे खोदने का यंत्र लॉनर मोईंग मशीन आदि)	Owned /lease	Sufficient
H-IV	प्रथम समय पंजीयन के पर आवश्यक नहीं 15 लाख से अधिक का कार्य सम्पादित करने पर Horticulturist Graduate/ B.Sc. Agriculture/Degree/Diploma in forestry एवं 25 लाख से अधिक का कार्य सम्पादित करने पर Horticulturist Graduate/ B.Sc. Agriculture/M.Sc. Botnay, Degree/Diploma in forestry			

(IV) कन्सलटेन्सी ठेकेदार—

- (अ) जयपुर विकास प्राधिकरण में Consultancy work के ठेकेदारों की प्रत्येक श्रेणी के सामने निहित कन्सलटेन्सी लागत की सीमा तक निम्न प्रकार निविदा करने के योग्य होंगे—

S. No	Classes of Contractors	Extent upto Which Qualified to tender for any Consultancy works
1	“C-I” Class	Any amount
2	“C-II” Class	Upto Rs 25.00 Lacs.
3	“C-III” Class	Upto Rs 10.00 Lacs.

- (ब) जयपुर विकास प्राधिकरण में Consultancy work के ठेकेदारों की प्रत्येक श्रेणी के सामने रजिस्ट्रीकरण (सूचीबद्धकरण) फीस और सूचीबद्धकरण के लिए प्रतिभूति निक्षेप राशि में निम्न प्रकार होगी—

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

S. No	Classes of Contractors	Registration Fee (In Rs.)	Security Deposit (In Rs.)
1	"C-I" Class	5,000.00	50,000.00
2	"C-II" Class	2,000.00	25,000.00
3	"C-III" Class	1,000.00	10,000.00

(स) जयपुर विकास प्राधिकरण में Consultancy work के ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण के लिए पिछला अनुभव निम्न प्रकार होगा—

S. No	Classes of Contractors	Past Experience for Enlistment
1	"C-I" Class	Successfully Completed 1 works of consultancy costing not less than Rs. 10.00 lacs during five years in Govt./Private Sector.
2	"C-II" Class	Successfully Completed 1 works of consultancy costing not less than Rs. 2.00 lacs during five years in Govt./Private Sector.
3	"C-III" Class	No past experience required to new temporary registration.

(द) जयपुर विकास प्राधिकरण में Consultancy work के ठेकेदारों की प्रत्येक श्रेणी के सामने सूचीबद्धकरण प्राधिकारी निम्न प्रकार होंगे—

S. No	Classes of Contractors	Enlistment Authority
1	"C-I" Class	Director (Engineering)
2	"C-II" Class	T. A. to Director (Engineering)
3	"C-III" Class	T. A. to Director (Engineering)

(य) जयपुर विकास प्राधिकरण में Consultancy work के ठेकेदारों की श्रेणी C-I, C-II, C-III में निम्न प्रकार Engineer के द्वारा कार्य निष्पादित करेंगे।

S. No	Classes of Contractors	Engineer
1	"C-I" Class	स्नातक अभियंता / वास्तुविद्
2	"C-II" Class	स्नातक अभियंता / वास्तुविद्
3	"C-III" Class	डिप्लोमाधारक अभियंता / ड्राफ्टमेन

Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

4. "पंजीकरण पूर्व की भांति एक वर्ष के लिए अस्थायी किया जाएगा। न्यूनतम 9 माह बाद स्थायी का आवेदन करने पर स्थायी किया जावेगा जिसके लिए फर्म द्वारा जविप्रा में पंजीकृत श्रेणी का न्यूनतम एक कार्य WIP/ पूर्ण किया होना चाहिए। पंजीकरण के 5 वर्षों में फर्म द्वारा एक भी कार्य नहीं करने पर विभिन्न प्रवर्गों व श्रेणियों में पंजीकृत ठेकेदारों को एक श्रेणी नीचे पदावनत (Demote) कर दिया जाएगा तथा विभिन्न प्रवर्गों की न्यूनतम श्रेणी में पंजीकृत फर्म का पंजीयन निरस्त कर दिया जाएगा।
5. ठेकेदारों को आवश्यक रूप से अपनी पासबुक संधारित करनी होगी मूल पास बुक गुम होने पर डुप्लीकेट पासबुक शपथ पत्र (घोषणा पत्र) के साथ 500 रु. का चालान सचिव जविप्रा के नाम प्रस्तुत करने पर ही उपलब्ध कराई जावेगी।
6. सम्बन्धित Enlisting Authority वर्तमान में पंजीकृत संवेदकों से बढी हुई सिक्यूरिटी डिपोजिट की अन्तर राशि आदेश जारी होने की दिनांक से 6 माह में जमा किया जाना सुनिश्चित करेंगे, तक वर्तमान में पंजीकृत संवेदक बढी हुई सीमा के अनुसार निविदा में भाग ले सकेंगे। यदि विद्यमान पंजीकृत संवेदक उक्त अन्तर राशि 28 फरवरी 2025 तक जमा कराने में विफल रहता है तो उसका रजिस्ट्रेशन निरस्त समझा जावेगा।
7. फर्म द्वारा प्रत्येक वर्ष के सितम्बर माह में जीएसटी शोधन प्रमाण पत्र (GST Clearance Certificate) प्रस्तुत करना होगा अन्यथा पंजीयन संवेदको की अनुमोदित सूची से पृथक किये जाने का भागी होगा।
8. उपरोक्त शर्तों के अतिरिक्त शेष नियम एवं शर्तें लोक निर्माण वित्तीय एवं लेखा नियम के अनुसार होगी।

निदेशक अभियांत्रिकी-प्रथम
जविप्रा, जयपुर

प्रतिलिपि:-

1. निजी सचिव, जयपुर विकास आयुक्त, जयपुर।
2. निजी सचिव, सचिव जविप्रा, जयपुर।
3. निदेशक अभियांत्रिकी-प्रथम/द्वितीय जविप्रा, जयपुर।
4. निदेशक (वित्त) जविप्रा, जयपुर।
5. वनसंरक्षक जविप्रा, जयपुर।
6. समस्त अतिरिक्त मुख्य अभियंता जविप्रा, जयपुर।
7. समस्त अधीक्षण अभियंता जविप्रा, जयपुर।
8. ओ.एस.डी. (आर.एम.) जविप्रा, जयपुर।
9. अति. निदेशक (राजस्व)/मुख्य लेखाधिकारी (पीएण्डए)/उप निदेशक (व्यय एवं बजट) जविप्रा, जयपुर।
10. संयुक्त आयुक्त (सिस्टम मैनेजमेन्ट) जविप्रा, जयपुर।
11. वरिष्ठ उद्यानविज्ञ जविप्रा, जयपुर।
12. समस्त अधिशाषी अभियंता जविप्रा, जयपुर।
13. सिस्टम एनालिस्ट जविप्रा, जयपुर।
14. समस्त ठेकेदार एसोसिएशन जविप्रा, जयपुर।
15. रक्षित पत्रावली।

अधीक्षण अभियंता एवं
सचिव, सचिव, निदेशक अभियांत्रिकी-प्रथम
Signature valid

Digitally signed by Vivek Sharma
Designation: Superintending
Engineer
Date: 2024.09.02 17:48:15 IST
Reason: Approved

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR
Special Terms & Conditions for Electrification work.

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

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

1. DLP period for various type of above works will now be governed by applicable rules/circular.
2. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan and take the certificate from the Electrical Inspector, Govt. of Rajasthan/Chartered Electrical Safety Engineer. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority after successful Charging of the system.
3. The Contractor has to arrange the testing of cables, RMU, Poles, Wires, testing of LED Lights i.e. LM 79/80, Street light/Traffic Light Poles and any other tests desired by Engineer-in-charge. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority after successful testing of the material.
4. The contractor will coordinate for the system handing over and charging process and if any defects, is pointed out by the RSEB/JVVNL/PWD/JNN, then he will have to rectify the same.
5. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL/PWD/JNN and system is charged.
6. Inspection shall be bear by the contractor itself.
7. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL.
8. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
9. The contractor shall return unused material issued to him by the deptt. If desired by the Engineer in-charge and in case, of failure to do so he shall be charged for such unreturned material at double the issue rate including storage and supervision charges or the market rate whichever is higher. The basis of the theoretical consumption and allowing for wastage @ 5% at double the issue rate including storage and supervision charges or market rate whichever is higher.
10. **The contractor shall be fully responsible to follow safety code as per IS 3764:1992 (upto date). The work should be executed without damaging existing water pipe line, LT/HT electric underground cable, poles, existing surface drain, water connections, Telephone cables etc. In case of any damages the penalty/ liability imposed for such work shall be borne by the contractor and shall be got repaired immediately by arranging material/ labor/ assistance etc. In case of delay JDA reserve right to execute/ get executed the work at the cost and risk of the contractor.**
11. 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.-III)

JDA, Jaipur

I carefully study & do agree for above terms & Conditions.
Signature & Seal of the Contractor

SCHEDULE AND SPECIFICATIONS

SCHEDULE – A: INFORMATION USEFUL FOR THE CONTRACTORS:

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

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

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

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

SCHEDULE - D: TEST OF THE MATERIALS:

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

SCHEDULE – E: SAMPLES OF THE MATERIALS:

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

SCHEDULE - F: TIME OF COMPLETION:

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

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

SCHEDULE – H: SPECIAL CONDITION: Attached Separately.

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

The Bid Processing fee is payable in favor of M.D. RISL & Cost of bid document & Bid Security is payable in Favour of the Secretary, JDA, Jaipur. Bidders have to pay bid processing fees, cost of bidding documents, and Bid Security through Online. **If a bidder opts to deposit the bid security through bank guarantee, the bank guarantee should be valid for the next seven months after the bid opening date. A copy of the such bank guarantee will be required to be attached with the bid submission documents uploaded on the E-procurement portal of GOR. The bank guarantee will be physically handed over upto prescribed time to Nodal officer of the on-line tendering system of JDA i.e. D.D(E&B) in room No. 215N Extension building, JDA, JLN marg, Jaipur, as per specified in bidding documents,**

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

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

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

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

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

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

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

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

**EXECUTIVE ENGINEER (Elect.-III)
JDA, Jaipur**

SPECIAL CONDITIONS

SCHEDULE 'H'

01. If there is any typographical error or otherwise in the 'G' Schedule, the rates given in the relevant BSR on which Schedule 'G' has been prepared, shall prevail.
02. The bidder shall follow the provisions of the builder labour regulation and abolition Act, 1970 & Rule, 1971.
03. The JDA shall have the right to cause an audit for technical examination of the work and the final bills of the bidder including all supporting vouchers, abstracts etc. to be made within two years after payment of the final bills and if as a result of such audit, any amount is found to have been overpaid / excess in respect of any work done by the bidder under the contract or any work claimed by him to have been done under this contract and found not to have been executed, the bidder shall be liable to refund such amount and it shall be lawful for the JDA to recover the such sum from him in the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the bidder was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such underpayment shall be paid by the JDA to the bidder.
4. Wherever any claim against the bidder for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the performance security of the bidder, In the event of the security being insufficient or if no security has been taken from the bidder then the balance of the total sum recoverable as the case may be deducted from any sum then due or which at any time their contract with the JDA should this sum be sufficient to recover the full amount recoverable. The bidder shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
5. The rate quoted by the bidder shall remain valid for a period of 120 days from the date of opening of the bids.
6. By submission of the Bid the bidder agrees to abide by all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
7. No conditions are to be added by the bidder and the conditional Bid is liable to be rejected.
8. If any bidder withdraws his Bid prior to the expiry of said validity period given at S. No. 5 or mutually extended prior or makes modifications in the rate, terms and conditions of the Bid within the said period which are not acceptable to the authority or fails to commence the work in the specified period, fails to execute the agreement the authority shall without prejudice to any, other right or remedy, be at liberty to forfeit the amount of bid security given in any form absolutely. If any bidder, who has submitted a Bid does not execute the agreement or start the work or does not complete the work and the work has to be put to rebidding he will stand debarred for six months from participating of Bidding in JDA in addition to forfeiture of bid security/ Performance Security and other action under agreement
9. Any material not conforming to the specifications collected at the site have to be removed by the bidder within a period of 3 days of the instruction, issued by the Engineer -In charge in writing failing which, such material shall be removed by the Engineer-In charge at risk and cost of the bidder after the expiry of 3 days period.
10. The material collected at the site and paid provisionally shall remain under the watch and ward of the bidder till it is consumed fully on the work.
11. The rates provided in the Bidding documents are inclusive of all Taxes and royalties otherwise specified.
12. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule, Source/ borrow pit area for the earth shall have to be arranged by the Bidder at his own cost.
13. Undersigned has full right to reject any or all Bids without giving any reasons.
14. As per the Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the etc."

15. Special Conditions of the Contract regarding the Defect Liability Period (DLP) for works costing Rs. 10.00 lacs and more shall be applicable (Annexure-I).
16. The Bidder is required to submit a copy of their enlistment as a contractor.
17. Conditions of RPWA-100 will be mandatory & acceptable to the bidder.
18. The bidder will have to install display boards at the site of work as directed by Engineer in charge.
19. All the provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules, 2013 and amendments issued from time to time by the Finance Department, GOR shall be applicable. If there are any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT, 2012 and Rules 2013 shall prevail.
20. In case the rate received in the bid is below than BSR rate, additional Performance security shall be deposited by the bidder as per Rule 75 (A) of RTPPP Rules.
21. The Annexure "B" (RTPPP Act/Rules) is mandatory to be fulfilled & signed with seal by the bidder failing which the bid shall summarily be rejected without asking for any clarification.
22. Contractors enlisted in JDA, should be get reviewed periodically. The registered bidder who has not been reviewed within a period of 5 years 3 months, shall not be allowed for participate in the bid. Contractors enlisted in other departments shall be as per provision of PWF&AR.
23. **The contractor shall carry out the various mandatory tests as per specifications and the technical documents. All the tests on materials, as recommended by relevant Indian Standard Codes or other standard specifications (including all amendments) shall be got carried out by the contractor at the field testing laboratory or any other recognized institution/ laboratory, at the direction of EIC of the J.D.A. In addition to above testings, Engineer In Charge can take sample for testing of any material from site.**
All testing charges, expenses etc. shall be paid be contractor and if sample passed in desired tests, the payment of such tests will be reimbursed to contractor by Department.
24. **The contractor shall give not less than seven day notice before covering up or otherwise placing beyond the reach of measurement any work, to the Engineer-in-charge in order that the same may be inspected and measured. If any work is covered up or placed beyond the reach of inspection/measurement without such notice or his consent being obtained the same shall be uncovered at the contractor expenses and he shall have to make it good at his own expenses.**
25. **The contractor shall give not less than seven day notice for factory inspection of material. Engineer In Charge nominate any officer to carry out such factory inspection of material and issue the DI for dispatch of material for execution. To and fro expenses for factory inspection shall be borne by the contractor at his own cost for which no payment shall be made. The Engineer in charge can waive of the factory inspection of material.**
26. **The contractor shall provide the services wise drawing of work with in 15 days of schedule commencement date and got approved from engineer in charge before start the work at site.**
27. **The work includes the scope for execution of services with four year operation and maintenance. The O&M of works includes the cost of service consumables and Manpower (Min. 3 Skilled labour during parking Hours).**

First Year O&M is also included in the cost of works for which no extra payment will be paid to the contractor. The payment against second, third and fourth year will be as per G-Schedule of work.

28. The contractor shall maintain the periodical service record for O&M of equipment and after verification of the same by engineer in charge, payment for O&M will be made as per G-schedule and NIT documents.
29. The materials/products used on the works shall be one of the approved make/ brands mentioned in respective BSR or from the list of preferred makes given in the tender documents.

The contractor shall submit samples/ specimens out of approved makes of materials/ products to the Engineer-in-Charge for prior approval. In exceptional circumstances Engineer-in-Charge may allow alternate equivalent makes/brands of products/ materials at his sole discretion. The final choice of brand / make shall remain with the Engineer- in-Charge, whose decision in this matter shall be final and binding and nothing extra on this account shall be payable to the Contractor.

In case single brand/ make are mentioned, other equivalent makes/ brands may be considered by the Engineer-in-Charge. In case of variance in BSR/IS/BIS Specifications from approved products/makes specification, the specification of approved product/make shall prevail for which nothing shall be paid extra to the Contractor. In case no make or brand of any materials, articles, fittings and accessories etc. is specified, the same shall comply with the relevant Indian Standard Specifications and shall bear the ISI/BI mark. The Engineer of J.D.A and the owner shall have the discretion to check quality of materials and equipment to be incorporated in the work, at source of supply or site of work and even after incorporation in the work. They shall also have the discretion to check the workmanship of various items of work to be executed in this work. The contractor shall provide the necessary facilities and assistance for this purpose. It may also be noted that if any of the makes given in the List of Makes does not comply with Standards, it will not be allowed to use. No claim what so ever shall be entertained on this account.

EXECUTIVE ENGINEER (Elect.-III)
JDA, Jaipur

SPECIAL CONDITIONS OF CONTRACT REGARDING DEFECT LIABILITY PERIOD (DLP) FOR WORKS COSTING RS.**25.00 LACS AND MORE****Table-1**

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

I. ROAD-WORKS

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

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

2. General

2.1 Inspection of works during the Defect Liability Period

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

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

2.2 Conditions regarding Performance Security

2.2.1 Security for DLP-

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

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

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

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

2.2.3 Forfeiture of Performance Security

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

1.2.4 Force Majeure

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

2.2.5 Various conditions for managing DLP are as under :-

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

Table-3

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

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

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

EXECUTIVE ENGINEER (Elect.-III)
JDA, Jaipur

Specified Bank Guarantee Performa for Bid Security

Section - 6

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

To
Secretary,
Jaipur Development Authority,
Jaipur

Sub:

Bank Guarantee No. _____ dated _____ for [amount of Security in figures] [in words] on behalf of _____ [Name of the Bidder] against Bid Security for the.....J

DA Jaipur WHEREAS, _____ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid dated for the work of(here in after called " the Bid ").

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

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

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

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

THE CONDITIONS of this obligation are:

- (1) if the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;
- (2) if the Bidder refuses to accept the correction of errors in his bid;

(3) If the Bidder, having been notified of the acceptance of his Bid by the Employer during the period of Bid validity;

(a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, or

(b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Bidders;

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

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

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

Date _____ Signature of the Bank _____

Witness _____ Seal _____

[Signature, Name, and Address]

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

Specified Bank Guarantee Performa for Performance Security

Section - 6

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

To

Secretary, Jaipur Development Authority, Jaipur

Sub:.....

Bank Guarantee No. _____ dated _____ for [amount of Security in figures] [in words] on behalf of _____ [Name of the Bidder] against Performance Security for the.....**JDA Jaipur**

WHEREAS, _____ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid dated for the work of(herein after called " the Bid ").

KNOW ALL PEOPLE by these presents that we _____

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

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

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

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

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

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

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

Date _____ Signature of the Bank _____

Witness _____ Seal _____

[Signature, Name and Address]

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

Compliance with the Code of Integrity and No Conflict of Interest

Any person participating in a procurement process shall-

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

Conflict of interest:

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

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

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

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

Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to **Executive Engineer (Elect. -III)** for procurement ofin response to their Notice inviting Bids No.....Dated.....I/wehereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012 that:

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

Date: _____ Signature of the bidder
Place: _____ Name:
Designation:
Address:

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

Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority :

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

The designation and address of the Second Appellate Authority:

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

(1) Filing an appeal: -

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

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

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

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

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

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

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

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

(5) Form of Appeals: -

- (a) An appeal under Para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, Affidavit verifying the facts stated in the appeal and proof of payment of fee,

- (c) Every appeal may be presented to the first appellate authority or second
The appellate authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing Appeal: -

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

(7) Procedure for disposal of Appeal: -

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

Additional Conditions of Contract

1. Correction of arithmetical errors

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

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

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

2. Procuring Entity's Right to Vary quantities.

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

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

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

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

<p>A*Process for Tender Participation & Depositing Payment on ‘Online Tender Participation’ Portal of JDA</p> <p>1-Participate in tender</p> <ol style="list-style-type: none"> Bidder can access ‘Online Tender Participation’ Portal of JDA at https://jda.urban.rajasthan.gov.in/jda or by Single-Sign-On at http://service.jaipurjda.org. Create user Login with a valid mobile number to register yourself for various Online Services of JDA. Select ‘Proceed as Citizen’ and then ‘Proceed for Subscription’ for ‘Tender Online Payment’. The prevailing plan for getting registered for tendering process of JDA is Rs. 500.00 with a validity period of 3 Years (renewable). After successful payment, re-login and upload required documents for KYC (Know Your Client) compliance as per the type of entity viz. Individuals/ Company/ Partnership Firms/ Trusts & foundations. Besides, Bank Passbook / Cancelled Cheque consisting of Bank Account, IFSC Code is mandatory to be uploaded, to refund the bid security of unsuccessful bidder. After receiving the payment successfully and approving KYC documents the bidder will be authenticated by JDA for taking part in Tender. <p>2-Deposit Tender Fee, RISL processing fee and Bid Security (EMD)</p> <ul style="list-style-type: none"> Option-1: Payment Gateway (Aggregator) The facility to make payment through Debit Card, Credit Card, Net banking etc., will be available. User can use this facility from anywhere any time till the closing date & time of bid participation. Option-2: Electronic Fund Transfer (EFT: NEFT/RTGS) If the bidder selects payment mode as EFT (NEFT/RTGS), “Paying Slip for EFT (NEFT/RTGS)” will be generated by the system for the complete amount. The payment can be made from any Bank any Branch using this Paying Slip through NEFT/RTGS (Claim against payment made through EFT in any other JDA bank account will not be acceptable and bidder stands disqualified from participation in the bid applied for). After successful transaction through NEFT/RTGS, as per the standard procedures it may take 4 to 24 hours in process of confirmation of EFT through Auto-Process depending on the time of EFT done. Therefore, option to make payment through EFT (NEFT/RTGS) will be available till 48 hours prior to closing date of bid participation. <p>3-Deposit Bid Security (EMD)</p> <p>The Bid Security (EMD) can be submitted through Bank Guarantee (BG). Bidder may opt Bank Guarantee (BG) against Bid Security (EMD), for which bidder requires to prepare BG before applying in the tender. The detail of BG requires to be fed on ‘Online Tender Participation’ Portal of JDA before paying balance amount (Tender Fee + RISL Processing Fee). This balance amount will be paid through Payment Gateway only, option to make balance payment through EFT (RTGS/NEFT) will not be available.</p> <p>4-Obtain Bid Participation Receipt</p> <p>After confirming payment, the bidder will get Bid Participation Receipt based on which user will get the payment details along with other details for bidding on e-Procurement portal of GOR.</p> <ul style="list-style-type: none"> In case of BG as the remaining payment will be done through Payment Gateway, on successful transaction the ‘Bid Participation Receipt’ will be generated on real time basis. In case complete payment is done through Payment Gateway, on successful transaction the ‘Bid Participation Receipt’ will be generated on real time basis. In case complete payment is done through EFT (NEFT/RTGS), on confirmation of payment from ICICI Bank (Auto Process) ‘Bid Participation Receipt’ will be available on Login of Bidder on JDA portal. <p>B-**Bid Submission on ‘e-Procurement Portal’ of Government of Rajasthan</p> <ol style="list-style-type: none"> Online e-Bid can be submitted after registration at e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in

- 2- It is mandatory to upload Bid Participation Receipt with the bid submission.
- 3- Details of online payment available on Tender Participation Portal of JDA have to be filled in 'offline payment' section of e-Procurement portal.

Note

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

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

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

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

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

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

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

More details about Registration Process, Terms and Conditions and FAQ along with contact detail is available on JDA website www.jda.urban.rajasthan.gov.in.

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SPECIAL CONDITION OF THE CONTRACT FOR POST QUALIFICATION OF CONTRACTORS

Name of work:- SITC of various electric services of Rajasthan High Court Parking Jaipur

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

1. Procedure:

Procedure for POST QUALIFICATION would be as follow:

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

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

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

- (b) The technical bid will be opened only of those bidders those proper Bid Security, copy of GST registration, proof for deposition of bidding document fee, RISL processing fee, copy of enlistment of contractor in required category and signed Annexure "B" (RTPP Act/Rules) is mandatory to be fulfilled & signed with seal are found to be in order. The bid Security will be accepted only in form of online deposition or in form of Bank Guarantee.
- (c) The Technical Bid envelope would be opened on the date 25.4.2025 at 11:00 AM in the chamber of Executive Engineer Elect-II, JDA
- (d) The Financial Bid envelope would be opened only of those bidders who fulfill all the POST QUALIFICATION CRITERIA.

2. Criteria:

Criteria for POST QUALIFICATION would be as follows:-

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

S.No.	Items	Quantities
	Major items of schedule "G" as decided by Director (Engineering)/OIC(Engineering.)	50%
Items		Required Qty.
1	Fire Pump	1 Nos.
2	Fire Extinguisher	17 Nos.

3	Smoke Detector	104 Nos.
4	LED lights	50 Nos.
5	Distribution Board	22 Nos.
6	Capacitor Bank	100 kVAR
7	Cameras	13 Nos.
8	NVR	1 Nos.
9	Lift	4 Nos.

Note:-

- (i) **The Bidder should enclose the certificate having quantities financial year wise otherwise the certificate will not be considered.**
 - (ii) **Quantities of all the items mentioned in criteria 2(a) should be executed in one financial year.**
 - (iii) **Certificate issued by the Government of India, State Governments, Union Territory, Government, Undertaking, Autonomous Bodies shall only be considered.**
- 2(b) The bidder should have completed at least one similar nature work in last seven Financial Year (including current year, if opted by the bidder) of value not less than 50% of the Estimated Cost of the work (Rs. 683.66 lacs) updated to present price level.

Note:-

- (i) The starting & completion date of the work is to be in between above said financial year. If no then maximum work (70%) of work mentioned in certificate submitted is to be completed in above said financial years. The bidders should have to enclose the proper bifurcated certificate accordingly otherwise the certificate will not be considered.
 - (ii) In case; if single work selected by the bidder, is of mix in nature having different components; then a proper bifurcated completion certificate showing the required similar nature component, should be enclosed.
- 2(C) The bidder should have achieved an annual financial turnover of at least 60% of the estimated cost of work (Rs. 683.66 Lacs) in any one of the seven five financial years (including current year, if opted by the bidder)

Note:-

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

The available bid capacity will be calculated as under:

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

Where A= Maximum value of civil engineering work executed in any one year during the last 7 financial years(updated to preset Price level) taking in to account the completed as well as works in

progress. However, the bidder may opt current year in the five year assessment period (Annexure-IV).

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

B= Value, at present price level of existing commitments and ongoing works to be executed during "N" period (period prescribed for completion of the works for which the bids are invited)

Note:-

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

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

Note:-

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

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

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

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

4. Important:

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

5. Rejection of bids:

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

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

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

SCHEDULE-I

FINANCIAL RESOURCES AND CAPABILITY

(Reference clause 3(a))

1. Name of Bidder:-

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

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

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

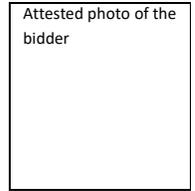
3. Total financial Turnover projected in the current financial year.
4. Has the bidder ever been debarred from tendering for Central Government/State Government/any Government undertaking?
Yes/No, If yes give details.
5. Has bidder ever been declared insolvent?
Yes/No, If yes give details.
6. Name(s)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

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

Date:

SCHEDULE-III

(Reference clause 3(d))



Self Declaration

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

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

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

Signature of Bidder

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

SCHEDULE-IV

(Reference clause 3(e))

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

FINANCIAL YEAR IN LAST SEVEN YEARS	COST OF WORK EXECUTED IN FINANCIAL YEAR

SCHEDULE-V

(Reference clause 3(f))

DETAILS OF EXISTING COMMITMENTS & ON GOING WOERKS TO BE COMPLETED

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

SCHEDULE-VI

(Reference clause 3(g))

DETAILS OF LITIGATION OR ARBITRATION CONTRACTS

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

SCHEDULE-VII

(Reference clause 3(h))

BID CAPACITY

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

Bid Capacity= A x N x 3-B

=Lacs

Schedule- VIII
(Reference clause 3(J))

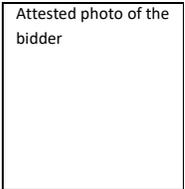
Details Regarding Evaluation Criteria

Name of work :-

S. No.	Item	Minimum Requirement (As per Bid)	Remark			
				Year	Qty.	Page No.
1	Copy of GST Reg. Certificate					
2	Copy of Registration certificate					
3	1. Proof of Bid Security deposition 2. Proof of bidding document cost deposition 3. Proof of RISL fees deposition.					
4	The bidder should have executed in any one financial year of the last seven financial years. However the bidder may opt current year in the said financial assessment period. (Schedule-II).					
	a.					
	b.					
	c.					
5	The bidder should have completed at least one similar nature work in last seven financial year (including current year, if opted by the bidder) of value not less than% of the estimated cost of the work (Bid cost) updated to present price level.					
6	The bidder should have achieved an annual financial turnover of at least Rs.% Lacs of the work (Bid cost) in any one of last seven financial year (including current year)					
7	The bidder should give declaration to deploy the machinery and equipment as psecified in schedule-III, for the execution of this work. Duly Self attested.					
8	Bid Capacity (A \times N \times 3-B) Here A is Maximum value of civil engineering work executed in any one of last 7 financial years. N is number of Years Prescribed for completion of the work. B is value at present price level of existing commitments and ongoing.					
9	Declaration in support of information finished by bidder in Annexure-I					
10	Schedule-VI (Details of Litigation).					
11	Signed Annexure "B"(RTPP Act/Rules)					

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

Self Declaration



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

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

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

Bidder has to install the items as mentioned in BSR and items other than BSR following are the preferred list of makes to be installed by contractor-

List of Preferred Makes		
Sr. No.	Item/ Particulars	Makes
1	Axial Fans, Jet Fans	Green Heck / Flaktwood / Kruger/Zeco/ Edgetech
2	CO Sensors	System senser / Seimens / Smart sensor
3	PLC Panels/Firefighting Panels	Johns / Engineer & Engineer/J K Enginnering/SMA Power Control Pvt. Ltd.
4	Gravity Dampers, Louvers, Grills	Mapro / Ravistar / Airmex / Conair
5	Desktop	Dell/ HP/ Lenova
6	Terrace Pumps	Grundfoss / Kirlosker /Willo/ITT.
7	ANPR Camera, Ticket Dispenser, Vehicle Detector, Vehicle Guidance/Status Display, Parking Zone Control Unit	Smart Park/Aretelinfo/ Honeywell/ Libelium/Houston
8	Gate Barrier	Aretelinfo/SmartPark/Ravel /FAAC/Speedgatz/Houston
9	Ticket Scanner, Automated Cash Drawer	Honeywell / TVS / Smart Park/Aretelinfo
10	Workstation, Server, Parking Management Software	HP / Lenovo / DELL.
11	Thermal Printer	TVS / Godex / Samsung.
12	Router, Fiber Converter	D-Link / Ericsson.
13	CCTV Camera, NVR	Bosch/Tyco/Axis/Pelco
14	Hard Disk	Seagate / WD / Toshiba
15	Smart LED TV	LG, Samsung, Panasonic.
16	UPS	Vetiv, Eton, APC, IPS
17	Lifts	Mistsubishi/ Schindler/Kone/Thyssen Krupp

Executive Engineer (Elect.-III)
JDA, Jaipur



JAIPUR DEVELOPMENT AUTHORITY

**Name of Work:- SITC of various electric services of Rajasthan
High Court Parking Jaipur.**

Financial Bid

Executive Engineer (Elect.-III)

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work:- SITC of various electric services of Rajasthan High Court Parking
Jaipur.

CONTENTS OF BIDDING DOCUMENT

S. No.	Details	Page No.
1.	General Instructions to contractors	03-06
2.	Special Condition for Post Assessment	07-10
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	25-37
8.	Annexure-A	38
9.	Annexure-B	39
10.	Annexure-C	40-42
11.	Annexure-D	43-46

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/E-mail 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 signed along with the complete set of bid Documents. All documents issued for the purpose of bidding as described 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 or applicable 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. BIDDED 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 rice 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 indicated 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 after the date of opening of bid.

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 tenderer'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-III)
JDA, Jaipur

2-SPECIAL CONDITION FOR POST ASSESSMENT

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

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

Documents to be submitted with financial bid are as follows:

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

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

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

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

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

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

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

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

Bidders who resort to canvassing in any form shall be liable to rejection.

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

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

2. EXECUTION DRAWINGS

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

3. TERMS OF PAYMENTS

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

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

No advance shall be payable to the contractor.

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

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

The successful bidder shall sign the agreement on non judicial stamp paper of requisite value within 10 day from the issue of work order. If the contractor selected fails to sign the agreement 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 contactor 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 & Seal of
Contractor/Bidder**

**Executive Engineer (Elect-III)
JDA ,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 & Rule 1971.
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 than 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 do 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.**

SIGNATURE OF CONTRACTOR
WITH FULL ADDRESS:

Executive Engineer (Elect.-III)
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, IS Code, grade, manufacturer name & length at every per meter 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/ labour/ 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 or other specified NABL accredited agency by JDA before using it at site.
11. The contractor or his authorized representative shall intimate in advance along-with complete programme of erection & commissioning where ever shunt down of existing line is required, to the Nodal officer / Engineer In-charge of the site for arranging shut downs. The contractor shall have to plan the work in such a way that in minimum duration of shut down maximum work is carried out to avoid repeated and / or longer duration shut downs.
- 12.

Executive Engineer (Elect-I)
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 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-III)
JDA, 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-III)
JDA, 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-III)

JDA, 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, cut-outs etc. He shall record all measurements and deviations in prescribed control formats. He shall proceed with the work, with the Owners consent to such preparatory inspection of works.
- 2.2 Contractor shall mark precisely the centre lines and datum reference on the civil works, where the Electrical System is to be installed with reference to bench marks, using indelible means of marking.
- 2.3 He shall undertake sufficiently in advance chipping of any unevenness of concrete on foundations, anchor bolt pockets, cut-outs etc., to achieve uniform level of reference

- for erection. All concrete surfaces receiving grout shall be hacked as required to ensure better bonding with grouting.
- 2.4 Contractor shall undertake the inspection of all components to be erected sufficiently in advance to check their soundness and conformity to drawings and the inspection records shall be signed by the Owner as approval for undertaking the installation of the components. Any damage, shortfalls etc. shall be made good to the satisfaction of the Owner.
- 2.5 All grout for equipment shall be carried out using non-shrinkable continuous grout materials with suitable framework of at least 12 mm thickness. Surfaces to receive the grout shall be hacked and roughened and laitance shall be removed by wire brushing or blast of air. Concrete surface shall be blown off by compressed air before commencing grouting. Grouting shall be done in one continuous operation from one side such that grout flows in a single wave until grout reaches all confined spaces with no air pockets and air from all confined spaces is expelled. A hydrostatic head of 150 mm shall be maintained during grouting operations hydrostatic head of 150 mm shall be maintained during grouting operations. All grouting shall be carried out in the presence of the Owner. All lines and levels shall be checked up after grout is set. Block outs shall be closed using cement concrete of the same grade as that of the parent structure.

3. RECORDS, PROCEDURES AND REPORTS

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

4. GENERAL PREPARATIONS BEFORE COMPLETION OF THE ELECTRICAL SYSTEM

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

(a) Technical Documents

- (i) Operation and Maintenance manual
- (ii) Design documents including the Contractor's design data, drawings and Specifications.
- (iii) Tools and test equipment list
- (iv) Spare parts list

(b) Procedures

- (i) Mechanical testing procedure
- (ii) Electrical testing procedure
- (iii) Instrumentation testing procedure
- (iv) Detailed Pre-commissioning and Commissioning procedure
- (v) Detailed Performance Test procedure

5. COMPLETION OF ERECTION

5.1 The completion of Electrical System under erection by the Contractor shall be deemed to occur, if all the units of the Electrical System are structurally and electrically complete and will include among other such responsibilities the following:

- (a) Electrical System in the Scope of the Contract has been erected, installed and grouted as per specifications.
- (b) Installation checks are completed and approved by the Owner
- (c) The erected Electrical Systems are totally ready for commissioning checks.

5.2 At the stage of completion of erection, the Contractor shall ensure that all the physical, aesthetic and workmanship aspects are totally complete and the Electrical System is fit and sound to undergo tests on completion and subsequent pre-commissioning checks.

5.3 Upon achieving the completion as described above, the Contractor shall notify the Owner by a written notice intimating completion of erection and notify the Owner for inspection. The Owner shall proceed with the inspection of such units within 14 days of such a notice.

- (a) The Owner shall certify completion when there are no defaults in the Works or

- (b) The Owner shall inform the Contractor list of deficiencies for rectification hereinafter referred as Punch list and the Contractor shall complete the rectification work within a jointly agreed period before pre-commissioning activities and obtain the Owner's acceptance or approval of the same before proceeding with the same.
 - (c) The Owner may inform the Contractor that the works are accepted with the 'Punch' list (items which do not hamper operability safety or maintainability) and allow the Contractors to proceed with the pre-commissioning checks when the Contractor undertakes to complete such outstanding works within an agreed time during defects liability period. Taking over shall be based on rectification of all deficiencies as advised by Punch lists.
- 5.4 The erection period indicated by the Contractor would be deemed to cover all the activities up to Completion as stipulated in previous paragraphs, notice of completion by the Contractor, inspection by the Owner for Completion, and Contractor rectification of all deficiencies as noticed by the deficiency/Punch list, and acceptance by the Owner of such rectifications, prior to Tests on Completion.
- 5.5 Minor defects, which in the opinion of the Owner which do not hamper operability and maintainability will nor be taken into account for deciding Electrical Completion. Such defects shall be rectified concurrent to commissioning checks before Tests on Completion. However, the Owner's decision in this regard is final.
- 5.6 The commissioning period as notified by the Contractor shall be deemed to occur beyond the date of Completion and shall include all periods of pre-commissioning, trials and Tests on completion.
- 5.7 It is in the Contractor's interest to offer the section/units/systems, progressively under the identified milestones within overall erection period, duly completed for rectification of any deficiencies pointed out by the Owner and to achieve Electrical Completion before undertaking the tests on Completion within the specified erection period. The Owner also reserves the right to withhold the cost as estimated to be equivalent to the rectification of deficiencies pointed out to the Contractor until such a time such deficiencies are rectified to the satisfaction to the satisfaction of the Owner.

6. PRE-COMMISSIONING

- 6.1 After the Completion of erection, Pre-commissioning activates listed below shall be carried out to make the Electrical System ready for Commissioning.
- 6.2 Upon completion of erection of each piece of equipment, facility or discrete part of the Electrical System, Electrical checks and tests shall be carried out according to the Contractor's checklist. The Electrical checks and tests shall be to establish that.

- (a) The Electrical System is erected in accordance with the Contractor's construction drawings, pipe work drawings, instrument diagrams, etc. issued for the Electrical System.
 - (b) The materials are installed and electrically function in accordance with the Contract and
 - (c) Applicable codes as listed in the Contract are followed for materials and workmanship.
- 6.3 Items such as painting, thermal insulation and final clean up which do not materially affect the operation or safety of the Electrical System will be excluded. All these items shall be listed and completed after the Pre-commissioning or Commissioning at the discretion of the Contractor, but before acceptance.
- 6.4 The Contractor shall prepare and maintain at Site test forms and records that shall include:
- (a) Description of type of test or check
 - (b) Date and time of test or check
 - (c) Identification of equipment and facilities
 - (d) Test pressure, test data and results, including remarks, if any
 - (e) Signature of the Contractor's personnel attesting to data recorded, if any.
- The Contractor's construction forces thereof shall carry out checks, tests and recording.
- 6.5 Wherever the Owner's witness or attesting of the check or test is required, the Owner's personnel shall attend such check and test. For this purpose, the Contractor shall keep the Owner informed of a day-to-day test plan schedule. The test plan schedule may be revised from time to time to reflect the actual progress of the work and test.
- 6.6 Any items found incomplete or requiring repair or adjustment shall be marked as such on the test records and then reported by the Contractor to the Owner and the Contractor's personnel in charge of the relevant construction area.
- 6.7 Checking procedures shall be repeated until all the items on the checklist are cleared
- 6.8 A complete set of test records shall be handed over to the Owner on completion.
- 6.9 The tests on the different Mechanical and Electrical equipment shall include but not limited to:
- (a) Pump motors

Condition of winding insulation be tested and insulation values shall be restored to required level by suitable heating arrangements locally.

- (b) MV Switch board / Power Distribution Boards
 - (i) Checking of all internal wiring for correctness as per supplier's drawings.
 - (ii) Insulation resistance test.
 - (iii) CT Polarity Test / PT Ratio Test.
 - (iv) Operational check of instruments and testing of relays by primary / secondary injection.
 - (v) Phase sequence test.
 - (vi) Functional simulation test.
 - (vii) Local & Remote Operation.
- (c) Power and Control Cables
 - (i) All cores of cables shall be tested individually for continuity and insulation resistance with earth/sheath/armour as well as between the cores, before as well as after installation.
 - (ii) Pressure test as per relevant IS will be carried out on all 11 kV cables together with joints.
- (d) Distribution Boards / Switch Socket Outlets
 - (i) Checking of wiring as per drawing.
 - (ii) Insulation resistance.
 - (iii) Functional test.
- (e) Tests for Earthing System
 - (i) The resistance of each earth pit shall be measured and recorded.
 - (ii) The resistance of the complete earthing system shall be less than 1.0 ohm or values specified by the local Electrical Inspector whichever is less.
 - (iii) Earthing continuity tests shall be carried out for all the equipment.

7. COMMISSIONING

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

- (a) Identity of a part of the Electrical System considered electrically complete
- (b) A copy of relevant completed test reports
- (c) The date on which the completion of the tests was achieved
- (d) Check list and

- (e) A request for issuance of a Electrical Completion Certificate in respect of that part.
- 7.2 Within fourteen (14) days from the date of receipt of the Contractor's written Notice, the Owner shall:
- (a) In the case of acceptance, issue a Electrical Completion Certificate
 - (b) In the case of Objection, submit a rejection Statement setting forth remaining items to be completed or defects of deficiencies to be corrected before Electrical Completion status can be accepted. When the Owner rejects the Contractor's Notice the Contractor shall take any necessary action to complete or correct the items marked and give the Owner a second Notice of Electrical Completion.
- 7.3 After the issuance by the Owner of a Electrical Completion Certificate, Commissioning activities listed below shall be carried out to enable the start-up and operation of the Electrical System Procedures are described as below:
- (a) Commissioning Procedure shall be carried out in a methodical sequence as follows
 - (i) Warming up
 - (ii) Start-up
 - (iii) Initial rearming –
 - (iv) Operability adjustment
 - (v) Stable operation
 - (vi) Final adjustment
 - (b) At all stages of commissioning sequence, the Electrical System shall be operated at optimum Electrical System conditions. To ensure this, the Contractor may make minor adjustment to the conditions indicated in the Operation and Maintenance Manual as necessary.
 - (c) The Contractor shall check the operating conditions of the Electrical System by constantly monitoring operating data.
 - (d) The Contractor shall specify for each discrete part of the Electrical System the operational data to be recorded and the manner in which the data is to be taken.
 - (e) All the operating data shall be recorded by the Owner on the forms to be mutually agreed. The Owner shall make a copy of the operating log and analytical data from

initial operation through to the completion of Performance Test available to the Contractor for evaluation.

8. PERFORMANCE TEST

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

9. ACCEPTANCE

9.1 Acceptance will occur in any of the three following possible ways:

(a) 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.

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

Sr. No.	Indian Standards	Titles
1.	IS-226	Structural Steel Standard quality
2	IS-2062	Structural steel (fusion welding quality).
3.	IS-802	Code of practice for use of structural steel in over head transmission line towers and part-I loads & permissible stresses.(first revision)
4.	IS-808	Rolled steel beam, channel and angle sections and Part-I Dimensions for hot rolled steel beam Part-I MB series (second revision).
5.	IS-4759	Hot dip zinc coating on structural steel and other allied products.
6.	IS-6639	Hexagonal Bolts for steel Structure.
7.	IS-10238	Step Bolts for steel structures.
8.	IS-1367	Technical supply conditions for threaded fasteners.
9.	IS-2016	Plain washers.
10.	IS-4072	Steel for Spring washers
11.	IS-3063	Single coil rectangular section spring washers for bolts, nuts and screws.(first revision)
12.	IS-6821	Methods for sampling non threaded fasteners.
13.	IS-1573	Electroplated coatings of zinc on iron and steel.
14.	IS-2486	Insulator fittings for overhead power lines of 3.3 KV and above.

15.	IS-2633	Method of testing uniformity of coating on Zinc coated article.(first revision)
16.	IS-2121	Fittings for aluminium and steel cored aluminium conductor for overhead power lines (with amendments No 1 to 3)
17.	IS-731	Porcelain Insulators for overhead power lines with a nominal voltage greater than 1000V.(second revision)
18.	IS-2141	Galvanized Stay strand (first revision) (with amendments No 1 to 3)
19.	IS-398	Part-I Aluminium conductor for overhead Part-II Aluminium conductor, galvanized steel reinforced (second revision) Part-III Aluminium conductor, Aluminium steel reinforced (second revision)
20.	IS-4826	Galvanized coating on round steel wires.
21.	IS-2551	Danger notice plate (with amendments No 1)
22.	IS-2629	Recommended practice for hot dip galvanizing of Iron and steel.
23.	IS-5358	Hot dipped galvanised coating on fasteners.
24.	IS-5613	Code of practice for design, installation and maintenance of over-head power line. (Part-I Sec-I)- Lines upto and including 11 KV, section/design. (Part-I Sec-II)- Lines upto and including 11 KV, section installation and Maintenance.
25.	IS-6745	Method for determination of weight of zinc coating on zinc coated iron and Steel articles.
26.	IS-7215	Tolerance for fabrication of steel structures.
27.	IS-8577	Specification for weldable structures steel (medium and high tensile quality).
28.	IS-338	Varnish ,under coating, exterior, natural resin
29.	IS-800	Code of practice for use of structural steel in general building construction(Revised) with amendments No.1&2.
30.	IS-3034	Code of practice for fire safety of Industrial building. Electrical generating and Distributing stations.
31.	IS-269	Ordinary and low heat Portland cement.
32.	BS-16	Telegraph material (Insulator, pole fitting etc.)
33.	BS-729	Hot dipped Galvanisation
34.	IS-2427	Grading of continuous filament viscose rayon yarn and acetate yarn, bright And dull.
35.	IS-1363	Black Hexagonal bolts, nuts and lock nuts(dia meter 6 to 39mm) and black hexagon screws(dia 6 to 24 mm) first revision with Amendment No.1)

36.	IS-1852	Rolling & cutting tolerance for hot rolled steel products.
37.	IS-1778	Reels and drums for bare wire(with Amendment No. 1 & 2).
38.	IS-4218	ISO metric Screw Threads.(Part.I- Basic and design profiles, Part-II- Pitch diameter combinations, Part.III- Basic dia mensions for design profiles, Part.IV- Tolerancing system, Part. V- Tolerances, Part.VI- Limits of sizes for Commercial bolts and nuts (dia meter range 1 to 39 mm).
39.	IS-7887	Mild steel wire rod for general Engg. Purpose.
40.	IS-280	Mild steel wire for general engineering purpose (Second revision).
41.	IS-5300	Porcelain Guy Strain insulator
42.	IS-5561	Electric power connectors.
43.	IS-5	Colours for ready mixed paints (Second revision).
44.	IS-3972	Methods of Test for vitreous enamel wire.
45.	IS-4711	Methods for sampling of steel pipes, tubes and fittings.
46.	IS-1599	Method for bend test for steel products other than sheet, strip, wire and tube(first revision)
47.	IS-1678	Pre-stressed concrete poles for overhead power traction & Telecommunication lines.
48.	IS-8623	Methods for radio interference tests on high voltage insulators
49.	IS-13947	Specification for low voltage switchgear & controlgear.
50.	IS-14255	Aerial Bunched Cable for working voltages upto and including 400 V – specification.
51.	IS-8130	Conductor for insulated electric cables & flexible cords.
52.	IS-5561	Electric power connectors.
53.	IS-617	Aluminium and aluminium alloy ingots and casting for general engineering purpose (second revision).
54.	IS-2544	Porcelain post insulators for systems with nominal voltages greater than 1000 Volts (First revision) (with Amendment No.1).
55.	IS-7098	LT XLPE insulated (Heavy Duty) electric cables.

56.	IS-5831	PVC insulation and sheath of electric cables (with Amendments No. 1 to 3).
57.	IS-1239	Mild steel tubes, tubulars and other wrought steel fittings.
58.	IS-5039	Distribution pillar for voltages not exceeding 1000 volts.

For 12Kv RMUs:

IEC 62271-200/IS 12729:1988	General requirement for Metal Enclosed Switchgear
IEC62271-102/IS 9921	Alternating Current disconnectors (Load Break Isolators) and Earthing Switch.
IEC 62271-100 / IEC 62271-200	Specification for alternating current circuit breakers
IEC 62 271-1	Panel design, SF6/Vacuum Circuit Breakers
IEC60044-1/IS2705:1992	Current Transformer
IEC 60265/IS 9920:1981	High voltage switches
IEC 376	Filling of SF6 gas in RMU
IEC 60273/IS :2099	Dimension of Indoor & Outdoor post insulators with voltage > 1000 Volts
IEC 60529/IS 13947(Part-1)	Degree of protection provided by enclosures for low voltage switchgear and control gear.
IS 3043-1987	Code of Practice for earthing
Indian Electricity Rules/Bills	

For 33Kv VCBs

IEC56/IS:13118/IS-3427/IS:10118 (Part-III) - 1982/ IS:2165-1977/ IS:3716-1976/ IEC-62271-100/ IEC-62271-200	Circuit Breaker/ metal enclosed Switchgear and control gear.
IS: 3156	Voltage transformers.
IS: 2705	Current transformers.
IS: 3231	Electrical Relays for power system.
IS:1248	Meters and Instruments

IS:14697-1999	Specification for AC static transformer operated watt hour
	and VAR hour meters class 0.2 S & 0.5 S.
IEC-62053-22-2003	Specification for AC Static Watt hour Meters, class 0.2 S &
IEC-62052-11-2003	
CBIP No.304	Technical Report Specification for AC Static Electrical Energy Meter.

Signature of Contractor/Bidder

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

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

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 :

Place :

Signature of bidder

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 there of 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 and 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 qtys 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.

**SPECIAL CONDITIONS OF CONTRACT REGARDING
DEFECT LIABILITY PERIOD (DLP) FOR ROADS/ ELECTRICALS WORKS**

As per the decision taken in the 201st meeting of Executive Committee held on 23.02.2016 w.r.t. agenda no. 201:22, DLP period of various natures of works amounting more than Rs. 25 lakhs has been revised as per following time periods based on nature of works.

This order will supersede the earlier orders issued in this regard i.e. order No. JDA/TA to D(E)/2010-11/D-317 dated 28.04.2011 including Special Condition No. 2.2.2 & 2.2.3 of Annexure-I related to SD refund & forfeiture (other Special Condition of annexure-I of this order will remain valid) and order No. JDA/Ex.En.(Pr.-5 & TA)/2013/D-43 dated 27.02.2013 and also all pertaining orders, in contract agreements or in PWF&AR having DLP period different than what is being enforced through this present order for concerned type of work.

Table-I

S.No.	Type of work	Existing DLP Period	As per approved in E.C. held on 23.02.2016
1.	Bridge Work	3 years	5 Years
2.	CD Work	3 years	5 Years
3.	CC Road. PQC Work	3 years	5 Years
4.	CC tiles/Kerbs/medians	3 years	5 Years
5.	Drains	6 Months	3 Years
6.	Roads		
	(i) Two layer WBM/GSB	3 years	6 months or one full rainy season which ever is later
	(ii) For Renewal/Strengthening		
	(a) BT upto 30 mm thickness	3 years	1 Years
	(b) BT above 30 mm to upto 40 mm	3 years	2 Years
	(c) BT above 40 mm to upto 90 mm	3 years	3 Years
	(d) BT above 90 mm thickness	3 years	5 Years
	(iii) New Roads		
	(a) BT upto 90 mm	3 years	3 Years
	(b) BT more than 90 mm	3 years	5 Years
7.	Compound wall	6 Months	3 Years
8.	Building Work		
	(i) Work pertaining to Sanitary work electrical works, Joinery works and painting works.	6 Months	2 Years

	(ii) Work pertaining to Building structure and other civil works	6 Months	5 Years
9.	Electric work except maintenance	6 Months	3 years
10.	Sewer/Water supply all including STP and water supply related work except maintenance works.	6 Months	3 Years

The release of SD amount shall be as per following table:-

Table-II

S.No.	DLP Period	Released SD	1 Year	2 Years	3 Years	5 Years
1.	Upto 1 year		100%	40%	20%	10%
2.	Upto 2 year			60%	20%	10%
3.	Upto 3 year				60%	10%
4.	Upto 4 year					20%
5.	Upto 5 year					50%

Various condition for managing DLP are as under :-

- (i) At the time of completion of work, final componnt shall be worked out for each individual item like BT/CC/tiles/ drains etc (as per different categories in Table-I), DLP shall be operative based upon type of individual item ex:- CC- 5 years, BT1/2/3/5 years, Drain-3 years etc.
- (ii) Similarly for all new works, these components should be calculated at the time of TS itself, which should be made part of BID document.
- (iii) If any work, amount is less than Rs. 25 lacs but later on due to extra/excess work, if amount of final work cresses more than Rs. 25 lacs, DLP shall be operative as per rule for each individual items.
- (iv) Similarly if any work is more than Rs. 25 lacs but after finalization amount or work is less than Rs. 25 lacs, DLP should be operative for six months or rainy season whichever is late.
- (v) During DLP period if contractor fails to repair any work even after issue of 7 days written notice, same work shall be got executed by respective Executive Engineer at the contractor's risk and cost. This process shall be applicable throughout the DLP period. After completion of DLP period in such works contractor should be debarred and blacklisted. From JDA for three years as per RTPP rule 2012 and 2013 where he defaults twice in a single agreement or in two different works.
- (vi) Quarterly Inspection as per rules shall be carried out and DLP registers shall be maintained by respective Executive Engineers to monitor the DLP repairs.
- (vii) Special and regular inspection shall also be carried out as per order no. JDA/Ex.En. & TA to DE-I/2014-15/D-223 dated 12.03.2015 and order no. SE (PMGSY) CIRULAR 2006/D-115 dated 04.05.2006 Point no. 3.
- (viii) In case JDA feels to take up work on any existing DLP road due to any reason, following procedure should be adopted:
 - (a) At the time of withdrawal total liability of repairs as per DLP conditions to be carried out and contractor shall be asked to complete the same. After completion of assessed repairs DLP period shall be released after deduction amt. as per table III

Table-III

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

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

- (b) In case Contractor fails to carry out these repairs, same shall be carried out at his risk and cost. If the total amt. of such repairs works out to be more than total retained amt. of SD same shall be recovered from other works and as per PDR rules. The amount as per Table III is also to be deducted in addition to this amount.
- (ix) Based upon type of work, DLP conditions for works to be carried out during DLP period with their frequency of respective type of work shall be prepared by respective SE"s after approval of these periods.

This order shall come in force with immediate effect and will be applicable on all new works whose NIB is to be called.

**Signature of contractor with
Full address.**

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

Validate

Print

Help

Percentage BoQ**Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR****Name of Work : SITC of various electric services of Rajasthan High Court Parking Jaipur****Contract No: EE (Elect-III)/20/2024-25**

Name of the Bidder/ Bidding Firm/ Company :

PRICE SCHEDULE**(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)**

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Part-A: Fire Fighting & Detection System					
	SITC of electric driven Sprinkler / Hydrant pump Suitable for auto-matic Operation consisting of the following					
	(A) Horizontal multi stage Centrifugal suction type pump complete for delivery of below mentioned discharge complete with necessary sluice valve on the suction side (all items to be matching the suction side of the pump) and pressure gauge sluice valve and non return valve on the delivery side side (all of the necessary dia) and including bypass arrangement for testing of pump					
	(B) Squirrel cage induction motor suitable for 415 V, 50 HZ, Ac supply of below mentioned HP for the above pump ,1450 RPM T.E.F.C confirming to IP:55 and flexible coupling and coupling guard with the pump.					
	(C) Common bed plate fabricated from mild steel channel or cast iron type					
	2280 LPM at 70 Mtr Head (60 HP Motor)	2.000	Each	189240.00	378480.00	INR Three Lakh Seventy Eight Thousand Four Hundred & Eighty Only
	SITC of Jockey pump having Squirrel cage induction motor suitable for 415 V, 50 Hz AC supply with synchronous speed of 2900 RPM T.E.F.C type confirming to IP:55 and flexible coupling and coupling guard with the pump ,Common bed plate of fabricated mild steel channel or cast iron type.					
	180 LPM suitable for 70 Mtr Single Stage	3.000	Each	69375.00	208125.00	INR Two Lakh Eight Thousand One Hundred & Twenty Five Only
	SITC of pressure switches for Main, Jockey, and standby pumps, including necessary wiring UPTO control panel and stop valve.	7.000	Each	2051.00	14357.00	INR Fourteen Thousand Three Hundred & Fifty Seven Only
	Supplying and fixing of Electric Flow switch for sprinkler system annunciation	8.000	Each	3010.00	24080.00	INR Twenty Four Thousand & Eighty Only
	Supplying & Installing cylindrical type air vessel, 250 mm dia 1.5M high of thickness 6.0 mm M.S. complete with air release valve, safety valve, pressure gauge etc.along with two coats of Red Oxide and two coat of post office red enamel paint as required.	4.000	Each	3591.00	14364.00	INR Fourteen Thousand Three Hundred & Sixty Four Only
	Providing and fixing air release valve with air vessels at the top of Risers. 250 mm dia, 1 Mtr long	4.000	Each	3605.00	14420.00	INR Fourteen Thousand Four Hundred & Twenty Only
	Providing & fixing cast iron double flanged type sluice valve of the following size complete with bolts, nuts, washers and compressed asbestos gaskets as required;					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	80 mm dia	1.000	Each	4090.00	4090.00	INR Four Thousand & Ninety Only
	100 mm dia	2.000	Each	5776.00	11552.00	INR Eleven Thousand Five Hundred & Fifty Two Only
	150 mm dia	3.000	Each	8670.00	26010.00	INR Twenty Six Thousand & Ten Only
	200 mm dia	1.000	Each	10480.00	10480.00	INR Ten Thousand Four Hundred & Eighty Only
	Providing and fixing non return valve complete with bolts nuts washers and compressed asbestos gasket etc as required :					
	100 mm dia	3.000	Each	2645.00	7935.00	INR Seven Thousand Nine Hundred & Thirty Five Only
	150 mm dia	4.000	Each	3606.00	14424.00	INR Fourteen Thousand Four Hundred & Twenty Four Only
	200 mm dia	1.000	Each	5590.00	5590.00	INR Five Thousand Five Hundred & Ninety Only
	Providing, fixing, testing & commissioning of sprinkler heads of the following type :					
	Pendant type with quartziod bulb, operating temperature at 68 deg C as per specifications.	1550.000	Each	240.00	372000.00	INR Three Lakh Seventy Two Thousand Only
	Sidewall Sprinklers (ordinary)	60.000	Each	300.00	18000.00	INR Eighteen Thousand Only
	SITC of diesel engine drive Standby Pump suitable for automatic operation consisting of the following A, B, C. .The Diesel driven pump shall be suitable for following discharge:					
	(A) Horizontal multi stage centrifugal suction type pump complete for delivery of below mentioned discharge complete with necessary flexible pipe, sluice valve on the suction side (all items shall be matching the suction side of the pump) and pressure gauge, sluice valve and non return valve on the delivery side (all of the necessary dia) and including bypass arrangement for testing of pump					
	(B) Water cooled Diesel Engine developing suitable BHP for the below mentioned discharge at 1800 RPM, flexible coupling and coupling guard with the Pump, common bed plate for mounting of the Engine and Pump, d cushy foot, damping arrangement by cushy foot, Diesel Engine starting Panel for starting of the engine automatically with a unit of battery of 12/24v, 88 Ah, 13/21 plate , Exhaust Pipe of minimum 10 M length, with muffler, day oil tank of 300 lts capacity with first charge and hand operated oil pumping set, Supply, installation, testing, & commissioning of electric driven automatic pressurization pump set					
	(C) Horizontally mounted single stage centrifugal end delivery pump of below mentioned discharge with necessary sluice valve on the suction side (all items matching the suction side of the pump) and sluice valve, non return valve, pressure gauge on the delivery side including by pass arrangement for testing of the working of the pumping set as required					
	2280 LPM at 70 Mtr Head (60 HP Engine)	1.000	Each	481800.00	481800.00	INR Four Lakh Eighty One Thousand Eight Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Providing and laying M. S. (Medium duty B class) pipe IS ; 1239 marked including all accessories such as screwed/ welded flanges, tees, reducers etc. Conforming to IS : 1239 complete including painting, welding, jointing and compressed asbestos gaskets, nuts, bolts etc. as required. The pipe shall be painted with one coat of Primer & two coats of post office red primer paint fixed in ceiling, walls, columns for all heights with hangers/supports and fasteners including chasing of walls/ colums/ ceilings etc. and making good the same complete as required.					
	25 mm dia	2800.000	Mtr	120.00	336000.00	INR Three Lakh Thirty Six Thousand Only
	32 mm dia	1600.000	Mtr	180.00	288000.00	INR Two Lakh Eighty Eight Thousand Only
	40 mm dia	1900.000	Mtr	210.00	399000.00	INR Three Lakh Ninety Nine Thousand Only
	50 mm dia	1650.000	Mtr	300.00	495000.00	INR Four Lakh Ninety Five Thousand Only
	65 mm dia	850.000	Mtr	357.00	303450.00	INR Three Lakh Three Thousand Four Hundred & Fifty Only
	MS (Medium duty B class) pipe with cleaning,wrapping and coating of the pipe as per IS; 10221 in all kind of soil at 1.0 M depth including excavation as required.					
	100 mm dia	35.000	Mtr	735.00	25725.00	INR Twenty Five Thousand Seven Hundred & Twenty Five Only
	150 mm dia	50.000	Mtr	890.00	44500.00	INR Forty Four Thousand Five Hundred Only
	Providing, fixing, jointing and testing of Heavy Gauge (C class) MS Pipe ISI marked with accessories like tees, elbows, flanged joints, reducers, compressed asbestos gaskets, nuts and bolts including fixing the pipe with suitable flat iron strip clamps /bracket, painting etc. Complete as required for delivery/ suction manifold relating to the pump including painting of two coats of Red Oxide and two coat of post office red enamel paint including all civil breakages and making good the same :					
	80 mm dia	560.000	Mtr	480.00	268800.00	INR Two Lakh Sixty Eight Thousand Eight Hundred Only
	100 mm dia	840.000	Mtr	660.00	554400.00	INR Five Lakh Fifty Four Thousand Four Hundred Only
	150 mm dia	1190.000	Mtr	960.00	1142400.00	INR Eleven Lakh Forty Two Thousand Four Hundred Only
	200 mm dia, 6.0 mm thick	40.000	Mtr	1380.00	55200.00	INR Fifty Five Thousand Two Hundred Only
	250 mm dia, 6.35 mm thick	40.000	Mtr	1795.00	71800.00	INR Seventy One Thousand Eight Hundred Only
	Providing & fixing Butterfly valve with Cast Iron Body, Cast Iron Disc and Seat of Nitrile Rubber Bonded on Bakelite with hard back to PN 1.6 rating with following sizes complete with bolts, washers and compressed asbestos gasket as required					
	50 mm dia	4.000	Each	1435.00	5740.00	INR Five Thousand Seven Hundred & Forty Only
	80 mm dia	4.000	Each	1915.00	7660.00	INR Seven Thousand Six Hundred & Sixty Only
	100 mm dia	3.000	Each	3000.00	9000.00	INR Nine Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	150 mm dia	18.000	Each	5410.00	97380.00	INR Ninety Seven Thousand Three Hundred & Eighty Only
	Providing & fixing 100mm dia pressure Gauge on Pump Delivery Line complete with shut off cock.	20.000	Each	300.00	6000.00	INR Six Thousand Only
	Providing and fixing single headed hydrant valves with flanged inlet ISI marked with 63 mm female instantaneous outlet of gun metal complete with blank cap and chain conforming to IS : 5290	10.000	Each	4215.00	42150.00	INR Forty Two Thousand One Hundred & Fifty Only
	Providing . 63 mm dia 15 M long reinforced rubber hose pipe conforming to IS : 636-1962, Part -A & ISI marked with Gun Metal male & female coupling wire wound with the pipe.	18.000	Each	3862.00	69516.00	INR Sixty Nine Thousand Five Hundred & Sixteen Only
	SITC Speaker cum electronic Hooter mounted in M S sheet box with perforated front mesh for PA and Emergency System.	10.000	Each	180.00	1800.00	INR One Thousand Eight Hundred Only
	SITC Photo Electric type Smoke Detector with mounting base. LED, with etc complete as required .					
	Analogue addressable type	208.000	Each	3615.00	751920.00	INR Seven Lakh Fifty One Thousand Nine Hundred & Twenty Only
	SITC Manual Call Point complete with , Glass, hammer and chain etc as required:					
	Analogue addressable type	10.000	Each	1200.00	12000.00	INR Twelve Thousand Only
	Providing and fixing with bracket/ supports etc wall/floor mounted fire extinguishers as per details below:					
	ISI marked 10 kg capacity Dry Powder fire extinguisher with high pressure discharge hose, squeeze gripe nozzle 120 gms carbon dioxide cartridge, gun metal cap with initial charge of dry power. Both extinguisher and dry power to be ISI marked.	4.000	Each	2709.00	10836.00	INR Ten Thousand Eight Hundred & Thirty Six Only
	Providing and fixing charged ABC type fire extinguisher including the cost of fixing with nut, bolts etc as required.					
	5 KG	30.000	Each	2406.00	72180.00	INR Seventy Two Thousand One Hundred & Eighty Only
	SITC of wall/free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet, required hardware, duly painted by two coats of zinc/red oxide primer followed by Powder coated / epoxy / PU painted with phosphatisation in grey or required shade after rinsing. 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 1.6mm up to 600mm length/width of any compartment and be of 2.0mm above 600mm. Load bearing structure shall be of 2.0mm thick sheet supported by base M.S. channel if required. Side walls and cable alley compartments having bolted type doors with detachable extension type structure (only outer area on all sides shall be measured and panel to be fabricated from CPRI approved fabricator).	180.000	Sq. Mtr.	2560.00	460800.00	INR Four Lakh Sixty Thousand Eight Hundred Only
	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves.					
	Electrolytic grade aluminium bus bar	350.000	Kg	350.00	122500.00	INR One Lakh Twenty Two Thousand Five Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply, Fabricating & installing following sizes of perforated M.S. cable trays including horizontal and vertical bends, reducers tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders and including painting as required.					
	300mm x 50mm x 1.6mm	2200.000	Mtr	565.00	1243000.00	INR Twelve Lakh Forty Three Thousand Only
	450mm x 50mm x 2.0mm	1350.000	Mtr	825.00	1113750.00	INR Eleven Lakh Thirteen Thousand Seven Hundred & Fifty Only
	600mm x 75mm x 2.0mm	490.000	Mtr	1041.00	510090.00	INR Five Lakh Ten Thousand & Ninety Only
	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required .					
	from 2000 / 5 to 3200 /5 Ratio , 15 VA, class 1 accuracy	10.000	Each	685.00	6850.00	INR Six Thousand Eight Hundred & Fifty Only
	P&F of RCBO with overload, short-circuit and earth leakage protection ISI marked (IS12640)/ conforming to IEC 61009/1 complete in all respect including making connections with lugs, testing etc. as required.					
	Four pole 30/100/300 mA sensitivity, 25-40 A rating	8.000	Each	2730.00	21840.00	INR Twenty One Thousand Eight Hundred & Forty Only
	Four pole 30/100/300 mA sensitivity, 40-63 A rating	5.000	Each	2940.00	14700.00	INR Fourteen Thousand Seven Hundred Only
	SITC of wall / floor type following zone (each zone accessing 20 units) Conventional Type solid state main control panel fabricated from 16 SWG CRCA sheet steel incorporating audio -visual indication for each zone with Public address system complete with 2x250W channel mixing amplifier , Required zone floor selector console, 1-No cardioid goose neck microphone , 1-No professional grade cassette deck 6-way PA selector with " ALL CALL ", & sealed maintenance free (SMF) batteries of min 42 AH of 2X12 V.					
	5-zone	1.000	Each	30030.00	30030.00	INR Thirty Thousand & Thirty Only
	P/Laying ISI marked P.V.C. insulated submersible cable conforming to IS:694 with flexible copper conductor including making connection etc. as required					
	4.0 Sq.mm 3 core flat	350.000	Mtr	121.00	42350.00	INR Forty Two Thousand Three Hundred & Fifty Only
	Supplying and fixing orifice plate made of 6 mm thick stainless steel with orifice of required size in between flange & landing valve of external and internal hydrant to reduce pressure to working pressure of 3.5 kg/cm2 complete with rubber gasket, GI bolts, nuts, washers etc. as required.	14.000	Each	880.00	12320.00	INR Twelve Thousand Three Hundred & Twenty Only
	Supplying & fixing 63 mm dia Gun metal branch pipe with 20 mm (nominal internal diameter) size nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required	14.000	Each	2012.00	28168.00	INR Twenty Eight Thousand One Hundred & Sixty Eight Only
	Supplying and fixing first -Aid hose reel wall mounted swinging type with MS construction spray painted in post office Red, conforming to IS 884 with upto date amendments, complete with the following as required. (A) 30 m long 20 mm (nominal internal) dia water hose Thermoplastic (Textile reinforced) Type -2 as per IS: 12585 (B) 20 mm (nominal internal) dia gun metal globe valve & nozzle. (C) Drum and brackets for fixing the equipments on wall. (D) Connections from riser with 40 mm dia stop valve (gun metal) & M.S. pipe	7.000	Each	6960.00	48720.00	INR Forty Eight Thousand Seven Hundred & Twenty Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supplying and fixing Fire Brigade Connection of CI body with Gun Metal male instantaneous inlet couplings complete with cap and chain as required for 150mm dia MS pipe connection, conforming to IS 904 as required of following way : 4 Way	1.000	Each	8365.60	8365.60	INR Eight Thousand Three Hundred & Sixty Five and Paise Sixty Only
	Providing and fixing of 4 way suction coupling for fire brigade withdrawal of water from fire tank with 150mm dia pipe and foot valve.	1.000	Each	6800.00	6800.00	INR Six Thousand Eight Hundred Only
	Supplying and fixing of Hose Cabinet of size 750 mm x 600 mm x 250 mm made of 1.6 mm thick MS sheet with 6 mm thick glazed glass doors including necessary locking arrangement suitable to accommodate external hydrant with butterfly valve, 2 Nos 15 Mtr. Long Hose pipe, 1 No. branch pipe, mounted on wall OR raised brick platform & duly painted with post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant, as required.	4.000	Each	3400.00	13600.00	INR Thirteen Thousand Six Hundred Only
	Supply & Fixing of Fire Man's Axe with heavy Insulated rubber tested up to 20 KV and confirming to IS :926	10.000	Each	640.00	6400.00	INR Six Thousand Four Hundred Only
	Providing & fixing 100mm dia bourden type, Stainless steel dial type pressure Gauge (0 - 16 Kg) range, 3 / 8 " BSP bottom entry on Pump Delivery Line complete with Ball valve	3.000	Each	680.00	2040.00	INR Two Thousand & Forty Only
	Supply and fixing of Oil / Air break Starter panel made out of sheet steel powder coated enclosure comprising of over load protection relay, short circuit & single phasing protection, ON / OFF push buttons, ammeter, voltmeter, indicating lamps etc. complete in all respect suitable for following rating motors. For Three phase Submersible / Mono block pump					
	3.0 HP to 10.0 HP (Star / Delta)	3.000	Each	6280.00	18840.00	INR Eighteen Thousand Eight Hundred & Forty Only
	SITC of ISI marked Submersible mud pump set minimum 20 mm solid handling 2900 RPM , three phase, 415 V, 50 Hz, having following capacity.					
	5 HP, (21.5 - 6) Mtr. (300 - 1200) LPM	3.000	Each	56000.00	168000.00	INR One Lakh Sixty Eight Thousand Only
	Supply , installation testing and commisioning of Digital Voice Command Center with FACP, it shall contain all equipment required for all audio control, emergency telephone system control, signaling and supervisory functions. This shall include speaker zone indication and control, telephone circuit indication and control, digital voice units, microphone and main telephone handset. etc. as required.	1.000	Each	236000.00	236000.00	INR Two Lakh Thirty Six Thousand Only
	SITC of 6 W Wall Mounted Speakers suitable for addressable type fire alarm system with line matching transformers & selecteable tap setting as required.	40.000	Each	1560.00	62400.00	INR Sixty Two Thousand Four Hundred Only
	SITC of 6 W ceiling mounted Speakers suitable for addressable type fire alarm system with line matching transformers & selecteable tap setting as required.	10.000	Each	1320.00	13200.00	INR Thirteen Thousand Two Hundred Only
	Part-B: Electrical					
	P & F of energy analyser (multy function energy meter) with LCD/ LED display capable of minimum 20 numbers electrical parameters display with 1A/5A CT input for LV/ HV network, RS 485 communication port etc. complete in all respect.	2.000	Each	17240.00	34480.00	INR Thirty Four Thousand Four Hundred & Eighty Only
	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required					
	up to 150 / 5 Ratio , 5 VA , class 1 accuracy	4.000	Each	306.00	1224.00	INR One Thousand Two Hundred & Twenty Four Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	from 200 / 5 to 400/5 Ratio , 10 VA , class 1 accuracy	24.000	Each	323.00	7752.00	INR Seven Thousand Seven Hundred & Fifty Two Only
	SF of 240/220 V, LED (22.5 mm dia) Pilot lamp with integral circuit, terminal block, including connection etc. as required.					
	Red/yellow/Green colour	32.000	Each	150.00	4800.00	INR Four Thousand Eight Hundred Only
	Blue / white Colour	4.000	Each	250.00	1000.00	INR One Thousand Only
	P & F push button actuators and integral contact block of dia. 22.5 mm including making connection etc. as required.					
	Non luminous type	6.000	Each	85.00	510.00	INR Five Hundred & Ten Only
	Luminous type	6.000	Each	171.00	1026.00	INR One Thousand & Twenty Six Only
	SF of rubber matting with one side corrugated as per IS specificationv 15652/2006					
	11 KV, 25 mm thick,	20.000	SQ.Mtr.	2300.00	46000.00	INR Forty Six Thousand Only
	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1having provision of mechanical interlocking, Din rail mounting type including making connections, testing etc. as required.					
	4 pole AC 1 Rating contactors, 46 to 60 Amp	4.000	Each	3450.00	13800.00	INR Thirteen Thousand Eight Hundred Only
	3 pole Power contactors with following AC 3 Rating, Up to 12 Amp	3.000	Each	608.00	1824.00	INR One Thousand Eight Hundred & Twenty Four Only
	3 pole Power contactors with following AC 3 Rating, 21 to 25 Amp	3.000	Each	918.00	2754.00	INR Two Thousand Seven Hundred & Fifty Four Only
	3 pole Power contactors with following AC 3 Rating, 26 to 32 Amp.	4.000	Each	1725.00	6900.00	INR Six Thousand Nine Hundred Only
	3 pole Power contactors with following AC 3 Rating, 41 to 50 Amp	3.000	Each	3200.00	9600.00	INR Nine Thousand Six Hundred Only
	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip ,earth fault trip, push (test) to trip , including making connections with lugs & spreaders, etc. as required.					
	With Thermal Magnetic Release, up to 100 Amp , 16 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	3.000	Each	5072.80	15218.40	INR Fifteen Thousand Two Hundred & Eighteen and Paise Forty Only
	With Thermal Magnetic Release, 160 Amp, 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	3.000	Each	7276.00	21828.00	INR Twenty One Thousand Eight Hundred & Twenty Eight Only
	With Thermal Magnetic Release, 200 Amp , 25/35kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	2.000	Each	12968.00	25936.00	INR Twenty Five Thousand Nine Hundred & Thirty Six Only
	With Thermal Magnetic Release, 250 Amp , 35 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	2.000	Each	15191.20	30382.40	INR Thirty Thousand Three Hundred & Eighty Two and Paise Forty Only
	With Thermal Magnetic Release, 630 Amp , 35/50 kA, adjustable O/L & adjustable S/C setting, Ics = 100 % Icu	2.000	Each	24948.00	49896.00	INR Forty Nine Thousand Eight Hundred & Ninety Six Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and fixing of following accessories for MCCB					
	Shunt trip Release	4.000	Each	1435.20	5740.80	INR Five Thousand Seven Hundred & Forty and Paise Eighty Only
	Supply and fixing of following accessories for Air circuit breakers.					
	Shunt Trip Release	1.000	Each	2070.40	2070.40	INR Two Thousand & Seventy and Paise Forty Only
	mechanical interlocking kit	1.000	Each	5850.40	5850.40	INR Five Thousand Eight Hundred & Fifty and Paise Forty Only
	P/Laying XLPE insulated / P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor Armoured of IS:7098-I/1554-1 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.					
	4.0 Sq.mm, 4 core	4500.000	Mtr	126.00	567000.00	INR Five Lakh Sixty Seven Thousand Only
	6.0 Sq.mm, 4 core	5560.000	Mtr	140.00	778400.00	INR Seven Lakh Seventy Eight Thousand Four Hundred Only
	16.0 Sq.mm, 4 core	5220.000	Mtr	175.00	913500.00	INR Nine Lakh Thirteen Thousand Five Hundred Only
	25.0 Sq.mm, 3.5 core	2290.000	Mtr	209.00	478610.00	INR Four Lakh Seventy Eight Thousand Six Hundred & Ten Only
	70.0 Sq.mm, 3.5 core	1280.000	Mtr	394.00	504320.00	INR Five Lakh Four Thousand Three Hundred & Twenty Only
	185.0 Sq.mm, 3.5 core	2150.000	Mtr	834.00	1793100.00	INR Seventeen Lakh Ninety Three Thousand One Hundred Only
	300.0 Sq.mm, 3.5 core	560.000	Mtr	1240.00	694400.00	INR Six Lakh Ninety Four Thousand Four Hundred Only
	P&F 240/415 V MCB 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, 0.5 A to 4A rating	450.000	each	144.00	64800.00	INR Sixty Four Thousand Eight Hundred Only
	Single pole MCB, 6 A to 32 A rating	340.000	each	233.00	79220.00	INR Seventy Nine Thousand Two Hundred & Twenty Only
	Triple pole MCB, 40 A 63 A rating	180.000	each	1047.00	188460.00	INR One Lakh Eighty Eight Thousand Four Hundred & Sixty Only
	Four pole MCB, 6 A to 32 A rating	120.000	Each	1077.00	129240.00	INR One Lakh Twenty Nine Thousand Two Hundred & Forty Only
	Four pole MCB, 40 A 63 A rating	60.000	Each	1530.00	91800.00	INR Ninety One Thousand Eight Hundred Only
	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with copper bus bar, shorting link, neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs, testing etc. as required.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Double door (Three phase), 6 Way	12.000	Each	1656.00	19872.00	INR Nineteen Thousand Eight Hundred & Seventy Two Only
	Double door (Three phase), 8 Way	14.000	Each	1984.00	27776.00	INR Twenty Seven Thousand Seven Hundred & Seventy Six Only
	Double door (Three phase), 12 Way	18.000	Each	2816.00	50688.00	INR Fifty Thousand Six Hundred & Eighty Eight Only
	Wiring of light point / fan point / exhaust fan point / call bell point with 1.5 sq. mm FR PVC insulated unsheathed 1.1kV grade flexible copper conductor and 1.5 sq.mm FR PVC insulated copper earth conductor (IS:694) of approved make in double lock/ ISI marked single lock pvc casing capping & it's accessories, 18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A switch 3.0 mm thick phenolic laminated sheet, zinc plated / brass screws, cup washers , making connections, testing etc. as required					
	Medium point (up to 6 mtr.)	100.000	p. point	308.00	30800.00	INR Thirty Thousand Eight Hundred Only
	Long point (up to 10 mtr..)	150.000	p. point	465.00	69750.00	INR Sixty Nine Thousand Seven Hundred & Fifty Only
	Making of hole in wall of required size for housing exhaust fan and making good the same, with cement plaster as required of following size: more than 457 mm & up to 610 mm	400.000	each	160.00	64000.00	INR Sixty Four Thousand Only
	P & F of capacitor start, three speed wall mounting/cabin fan of following sweep with the help of anchor bolts including making connection testing etc. as required. 400 mm sweep	4.000	each	1980.00	7920.00	INR Seven Thousand Nine Hundred & Twenty Only
	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall and making good the same as required.					
	20 mm	1800.000	R. mtr.	21.00	37800.00	INR Thirty Seven Thousand Eight Hundred Only
	25 mm	2800.000	R. mtr.	29.00	81200.00	INR Eighty One Thousand Two Hundred Only
	32 mm	1000.000	R. mtr.	44.00	44000.00	INR Forty Four Thousand Only
	SITC of self healing MPP/MP type shunt capacitor (banks) conforming to IS:13340-41 / IEC :831-1&2 in existing panel or parallel with load terminals , the capacitor shall be fitted with discharge resistors, pressure sensitive disconnecter (PSD) and shall have dissipation factor less than 0.0025 at 50 Hz and total wattage loss less than 0.5 Watt per KVAR. including making connections with suitable capacity conductors/cables testing as required.					
	Heavy duty Three phase 440 V , 50 Hz capacitor (Bank)	200.000	kVAR	546.00	109200.00	INR One Lakh Nine Thousand Two Hundred Only
	SITC of microprocessor based intelligent power factor correction relay having sensitivity up to 50 milli Amp secondary current and following way, self analysing auto c/k setting according to targeted power factor setting, the relay shall have minimum three digit display unit for display of real power factor, targeted power factor, lag/lead capacitor switching status, alarm output for under current, over current, insufficient compensation, indication of switching on units, auto/manual status, and shall have over load protection, no volt release etc. as required.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	6 to 14 stage - sensitivity upto 50 milli Amp	1.000	Each	17205.00	17205.00	INR Seventeen Thousand Two Hundred & Five Only
	P & F Cam operated rotary switches on existing panel with 2 way and off position					
	Three pole, 16 A	4.000	Each	410.00	1640.00	INR One Thousand Six Hundred & Forty Only
	Three pole, 32 A	4.000	Each	594.00	2376.00	INR Two Thousand Three Hundred & Seventy Six Only
	Three pole, 63 A	4.000	Each	754.00	3016.00	INR Three Thousand & Sixteen Only
	P & F of 440 Volt 3 pole capacitor (AC 6 B) duty contactor with 3 no. early make and post break auxiliary contacts in series with quick discharge damping resistors/ reactors to limit the inrush current , conforming to IS:13947-4-1/IEC:947-4-1, Din rail mounting type including making connections, testing etc. as required. suitable for following capacity capacitor bank.					
	up to 6 KVAR	4.000	Each	918.00	3672.00	INR Three Thousand Six Hundred & Seventy Two Only
	7 to 10 KVAR	3.000	Each	953.00	2859.00	INR Two Thousand Eight Hundred & Fifty Nine Only
	21 to 30 KVAR	3.000	Each	2870.00	8610.00	INR Eight Thousand Six Hundred & Ten Only
	31 to 50 KVAR	2.000	Each	6320.00	12640.00	INR Twelve Thousand Six Hundred & Forty Only
	Providing and laying XLPE/PVC insulated & PVC sheathed Un-armoured control cables of 1.1 KV grade with copper conductor as per IS 1255 including excavation of 30 CmX75 Cm size trench 25 Cm thick under layer of sand and lind class bricks covering					
	2C x 1.5 sq.mm	2680.000	Mtr	98.00	262640.00	INR Two Lakh Sixty Two Thousand Six Hundred & Forty Only
	3C x 1.5 sq.mm	1500.000	Mtr	103.00	154500.00	INR One Lakh Fifty Four Thousand Five Hundred Only
	4C x 1.5 sq.mm	2100.000	Mtr	108.00	226800.00	INR Two Lakh Twenty Six Thousand Eight Hundred Only
	2C x 2.5 sq.mm	2150.000	Mtr	103.00	221450.00	INR Two Lakh Twenty One Thousand Four Hundred & Fifty Only
	4C x 2.5 sq.mm	2200.000	Mtr	158.00	347600.00	INR Three Lakh Forty Seven Thousand Six Hundred Only
	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, 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 4.0 sq.mm	30.000	Set	44.00	1320.00	INR One Thousand Three Hundred & Twenty Only
	2 x 6.0 sq.mm	35.000	Set	44.00	1540.00	INR One Thousand Five Hundred & Forty Only
	3 x 70.0 sq.mm	30.000	Set	123.00	3690.00	INR Three Thousand Six Hundred & Ninety Only
	3.5 x 185.0 sq.mm	20.000	Set	395.00	7900.00	INR Seven Thousand Nine Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	3.5 x 300.0 sq.mm	18.000	Set	613.00	11034.00	INR Eleven Thousand & Thirty Four Only
	Supplying and making end termination with heavy aluminium lugs (pin/ ring type) duty crimped with crimping tool, PVC tape etc of following size					
	1.5 Sq.mm	1000.000	Each	3.00	3000.00	INR Three Thousand Only
	2.5 Sq.mm	1000.000	Each	4.00	4000.00	INR Four Thousand Only
	4.0 Sq.mm	150.000	Each	5.00	750.00	INR Seven Hundred & Fifty Only
	6.0 Sq.mm	80.000	Each	6.00	480.00	INR Four Hundred & Eighty Only
	16.0 Sq.mm	100.000	Each	9.00	900.00	INR Nine Hundred Only
	70.0 Sq.mm	40.000	Each	20.00	800.00	INR Eight Hundred Only
	240.0 Sq.mm	60.000	Each	60.00	3600.00	INR Three Thousand Six Hundred Only
	300.0 Sq.mm	40.000	Each	85.00	3400.00	INR Three Thousand Four Hundred Only
	P / L of Double wall corrugated HDPE pipe confirming to IS : 14930 P - 1 & 2 with HDPE Coupler at 1 mtr. Depth below the ground for laying cable including making the trench and back filling , compaction of earth as required of Gemini or IS:14930 marked make. Outer Dia. / Inner dia.					
	160 / 136 mm	250.000	Mtr	236.00	59000.00	INR Fifty Nine Thousand Only
	P&F of 110 - 240 V, AC, 1 ph. , 2 W Astronomical time switch with surge suppressor, memory card, Sunrise / Sunset selectable, software for programming including making connection, etc. as required	5.000	Each	6053.60	30268.00	INR Thirty Thousand Two Hundred & Sixty Eight Only
	P & F of IP67, IK10 protected LED Buried marker light / Step Light with mounting box & integral driver suitable for 3W - 5W, 240V LED with available in quick connecting cable coupled with various mounting accessories. Driver shall be high efficiency having efficiency > 85% and in compliance to IEC standards (Integral with light fixture). system life of 25,000 Burning Hours with 70% of initial Lumens maintained. Light output in Blue, Cool white or Warm White Colour as per engineers choice. Fixtures shall be CE compliance.					
	Step Light LED	100.000	Each	5100.00	510000.00	INR Five Lakh Ten Thousand Only
	Part-C: Force Ventilation					
	P/Laying XLPE insulated / P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor Armoured of IS:7098-1/1554-1 approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 1Ind class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					
	4.0 Sq.mm 4 core	2800.000	mtr	126.00	352800.00	INR Three Lakh Fifty Two Thousand Eight Hundred Only
	16.0 Sq.mm 4 core	1180.000	mtr	175.00	206500.00	INR Two Lakh Six Thousand Five Hundred Only
	S / F of accousting lining of duct work shall includes Anticorrosive treatment, fibre glass wrapping, tissue paper TF, chicken wiremesh of 28G and fixing with GI nut bolts, SITC of MS Powder coated Grill/Diffuser					
	Double louvered supply air grills with dampers. Front louvers fixed & rear louvers movable.	60.000	sq. mtr	6900.00	414000.00	INR Four Lakh Fourteen Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	SITC of ducting made from GSS of class VIII & fabricated as per IS:677 and as per approved drawings & designs including the cost of hangers, supports , angle , expansion fasteners , T&P as required of following gauge:					
	18G	380.000	sq. mtr	562.00	213560.00	INR Two Lakh Thirteen Thousand Five Hundred & Sixty Only
	20G	1600.000	sq. mtr	460.00	736000.00	INR Seven Lakh Thirty Six Thousand Only
	22G	450.000	sq. mtr	422.00	189900.00	INR One Lakh Eighty Nine Thousand Nine Hundred Only
	Part-D: CCTV					
	Supply ,Installation and Testing of 19 " Rack mounted/ surface mounted aluminium / CRS powder coated multimode glass Fiber Optic Cable Patch panel/ LIU (upgradable to intelligent panels with use of sensor strips) along with cable tray/ fiber management system , adapters for ST II/ SC/FC/MT/PC connections including making connections (Terminations if required will be paid seperately) to active / passive equipments with ferruling at both ends for identification with necessary tools for Terminations and testing required .					
	24 Ports	2.000	Each	18900.00	37800.00	INR Thirty Seven Thousand Eight Hundred Only
	Supply , Installation and Testing of 4 pair , 100 Ohm, 24 AWG, Cat 6 UTP, flexible , Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief boots as per TIA /EIA 568 B.2-1 Specifications including making connections to Information outlets of lengths.					
	1 Mtr/3 ft	13.000	Each	275.00	3575.00	INR Three Thousand Five Hundred & Seventy Five Only
	2 Mtr / 7 ft	13.000	Each	325.00	4225.00	INR Four Thousand Two Hundred & Twenty Five Only
	Supply , Installation, Testing and Comissioning of Rack mounted 19", Cat 6 UTP,1.5-1.6 MM CRS chasis , powder coated Modular Patch Panels (upgradable to intelligent panels with use of sensor strips) with collapsible shutters on jacks to support latest ammendments of TIA / EIA Cat 6 Specifications in Existing Communication Rack along with necessary connections of Cat 6 UTP Cables, With Rear Cable management trays and clamps.					
	24 Ports	4.000	Each	11000.00	44000.00	INR Forty Four Thousand Only
	S & F of Faceplate for Flush Mount Information Outlets Single Aperture with screw hole covers & Icon Tree Size t86mmX86mm	20.000	Each	123.00	2460.00	INR Two Thousand Four Hundred & Sixty Only
	Supply , Installation, Testing and Comissioning of Wall mounted Communication rack in two sections viz rear wall mount Section and hinged front section with glass doors, swing handles ,lock , Top and Bottom Cable entries,Supports for mounting rack on wall , Cable managers, Fan tray with 2 x 230 Volt fans, Equipment mounting hardware, wire managers , power supply box for supplying power to hubs, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable, Blank panels , sliding shelves etc. 6 U(44 mm) wall mounted	1.000	Nos	16000.00	16000.00	INR Sixteen Thousand Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply , Drawing and Testing of 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in existing MS/PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with nessorry tools for punching, stripping, crimpping and testing required .	2600.000	MTR	50.00	130000.00	INR One Lakh Thirty Thousand Only
	Supply , Installation, Testing and Comissioning of Floor mounted Communication rack in two sections viz rear Steel Door and hinged front section with glass doors, swing handles ,lock on both doors, Top and Bottom Cable entries with gland plates ,Castor with brakes , 7 no Cable managers, 1 no Fan tray with 2 x 230 Volt fans, Equipment mounting hardware, wire managers , power supply box for supplying power to hubs, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable, Blank panels of 1u / 2 u , sliding shelves .Frame of communication rack should be made of heavy grade Aluminum profile PS grey painted and panels should be made from CRCA steel 18 swg RS Beige painted 27 U (44 mm)Floor Standing Rack	1.000	Nos	40600.00	40600.00	INR Forty Thousand Six Hundred Only
	Supply , Drawing and Testing of Indoor multimode[62.5/125um] glass Fiber Optic Cable as per latest ammendments of TIA /EIA 568B.3 , GR 409 CORE / UL listed NEC 770 Standards in existing MS/PVC Conduits/ slotted channels including making Terminations to active passive equipments with ferruling at both ends for identification with nessorry tools for Terminations and testing required . 6 fiber	250.000	Mtr.	450.00	112500.00	INR One Lakh Twelve Thousand Five Hundred Only
	SITC of Managed Layer-2 Intelligent Ethernet Switch providing 24 x 10/100/1000 Fast Ethernet ports and with min 4 SFP Giga Ports (provision for Fiber Giga connectivity) with provision of minimum Stacking of 06 Switches with related LAN Base Software	1.000	Nos	104000.00	104000.00	INR One Lakh Four Thousand Only
	Supply , Installation, OTDR Testing & Fusion Splicing of Fiber Multi mode Pigtail of [50/125um OR 62.5/125um] glass Fiber Optic Cable as per latest ammendments of TIA /EIA 568B.3 , GR 20 CORE / UEC 794-1/ EN 187000 Standard Specifications including ST II / SC/LC/MT-RJ/PC connector as per requirements.	8.000	Each	960.00	7680.00	INR Seven Thousand Six Hundred & Eighty Only
	SITC of SFP,LC connector SX Giga Transceiver (for MM Fiber)	6.000	Each	15200.00	91200.00	INR Ninety One Thousand Two Hundred Only
	Part-E: Smart Parking					
	Providing and laying XLPE/PVC insulated & PVC sheathed Un-armoured control cables of 1.1 KV grade with copper conductor as per IS 1255 including excavationj of 30 CmX75 Cm size trench 25 Cm thick under layer of sand and lind class bricks covering 3Core 2.5 Sq. mm.	1650.000	mtr	134.00	221100.00	INR Two Lakh Twenty One Thousand One Hundred Only
	Part-F: Approved Non BSR items:					
	SITC of IP based 5MP outdoor type IR verifocal Bullet/Dome Camera (2.8mm Lens with Aperture of F1.6) 1 / 2.8" - SONY - CMOS 5MP ,0 LUX with IR LED ON Horizontal Field of View: 107 degrees and IR Range of up to 30 meters Video Analytics: Trip Wire, Intrusion Detection and Motion Detection H.265/H.264/MJPEG Video Compression,BIS,CE,FCC,IP67 and RoHS PoE Support, NAS Storage, Quad Stream Support True WDR, 3D Noise Reduction, Adaptive Streaming, Smart Streaming and ROI, SNR > 70 dB BIS, CE, FCC, RoHS, IK10 ,IP67, Cyber Security Features: SIQC Certified	26.000	Nos	27700.00	720200.00	INR Seven Lakh Twenty Thousand Two Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	SITC OF 32 Channel NVR with 4K Support 32 IP Channel Inputs; HDMI, 1/1 Audio I/O and 2/1 Alarm I/O, 12MP, 8MP, 5MP, 4MP, 3MP, 2MP, 720p, D1 and CIF Recording Resolution, 4x 4K/10x 3MP/16x 1080p Local Decoding, 6 SATA HDD Support (Maximum 10TB Capacity, Hard Disk Not Included), Save Storage Space with Adaptive Recording and Camera-wise Recording Retention, SMS & Email Notification, Video Pop-up, Alarms and Calling from Mobile Application 512Mbps Throughput - 256 Uplink, 256 Downlink; Cascading: Create Multiple NVR Clusters to Monitor and Control Multiple NVRs Centrally, ONVIF, Certification complied: BIS, CE, FCC, RoHS.	2.000	NOS	189000.00	378000.00	INR Three Lakh Seventy Eight Thousand Only
	Supplying and fixing of 10TB Surveillance HDD Make:Seagate/WD	6.000	Nos	25700.00	154200.00	INR One Lakh Fifty Four Thousand Two Hundred Only
	SITC of Automatic boom barrier shall be consisting of following specifications. Barrier Front Design: Round/Ractangle Barrier, Colour : Silver/Grey Colour, PARKI Electromechanical Drive ,Mechanism 3-6 meters boom arm Illuminated, Boom Arm (Red/Green) ,Opening Speed : 1.5 Sec Reverse on Obstacle Detection , intelligent control mechanism, Automatic Fault Detection Arrow , Led Indication on barrier body (Red/Green) ,Duty Cycle 100 %, IP Rating : IP 55, RS 485 Communication complete in all respect.	4.000	Each	168600.00	674400.00	INR Six Lakh Seventy Four Thousand Four Hundred Only
	SITC of Long Range Reader shall be consisting of following specifications , Hands Free Frequency Range: ISM 865~868MHz or ISM 902~928MHz ,Operation Mode: FHSS Data Ports: Wiegand26/34, RS485, RS232, RJ45 ,Reading Range: 12m ,Reading Clue: Buzzer Antenna,Built-in line polarization Operation Temp -20°C to +80°C ,Access Controller : NAC 25, 2 reader controller, Card holder: 54000 cards, Logs: 60000 records,Alarm events: 10000 events, Communication: TCP/IP, Verification: card, card and timing. Release button, Remote opening from software, timing. complete in all respect.	4.000	Each	134500.00	538000.00	INR Five Lakh Thirty Eight Thousand Only
	SITC of Loop Detector shall be consisting of following specifications ,Vehicle sensing unit with 2 channel sensing option, 24 V DC/24 V AC power supply ,designed D MAX chipset 3 level frequency adjustment, 3 level sensitivity adjustment ,IP protected Enclosure, Presence relay (N.O./N.C.) Multi-function signaling LED Operating ambient temperature -20°C to 60 °C C,NO,NC. 3 Poles, Communication : RS485/Ethernet complete in all respect .	2.000	Each	36700.00	73400.00	INR Seventy Three Thousand Four Hundred Only
	SITC of Android Based Touch Screen Terminal (Without Application) shall be consisting of following specifications Sleek compact design Built-in contactless reader Android based Intelligent operating system NFC, Bluetooth, sound wave sensor 1.2 m Fall protection Large Colour Touch Screen display in built High Speed Thermal Printer Support WIFI, 3G, 4G Build powerful network High capacity battery 5200mAH complete in all respect.	4.000	Each	282450.00	1129800.00	INR Eleven Lakh Twenty Nine Thousand Eight Hundred Only
	SITC of Bluetooth Barrier Integration Module for parking management system complete in all respect.	4.000	Each	77000.00	308000.00	INR Three Lakh Eight Thousand Only
	SITC of WEB Based Parking Software Field monitoring device shall be consisting of following specifications. Realtime transection details Report, Management Tariff Configuration,Shift Management Event and Alarm Mangement complete in all respect.	1.000	Each	605250.00	605250.00	INR Six Lakh Five Thousand Two Hundred & Fifty Only
	SITC of Main Entry Information Display (Four Row Display) shall be consisting of following specifications Multi-Colour LED Matrix Display unit Cabinet Colour : Black/White Cabinet Dimension : 1800 mm x 600 mm x 250 mm LED Color : Red /Green Super bright. Communication : Wireless Communication Led Type 5mm Oval Logic card Visibility 120mtr Brightness 2000 MCD Enclosure Weatherproof IP grade CPU Speed 100 MIPS complete in all respect	4.000	Each	282450.00	1129800.00	INR Eleven Lakh Twenty Nine Thousand Eight Hundred Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	SITC of Inductive Vehicle loop sensor shall be consisting of following specifications . Loop wire single core 1.5 sqmm Electromegnetic induction coil specialized loop sensor design loop size 2m X 1 cutting depth 20 mm cutting width 15 mm rectangular box with 2 x 1 with chamfered cutting edge Four turns in rectangular shape 3 level sensitivity adjustment complete in all respect	4.000	Each	19637.00	78548.00	INR Seventy Eight Thousand Five Hundred & Forty Eight Only
	SITC Of Parking Guidance System Software Intel I3, with 3 MB cache, CPU 4460@ 3.2 Ghz, 4 GB RAM, 1 TB HDD 19" LCD Monitor, Keyboard & Mouse Microsoft Windows XP Professional license Laser Printer parking Guidance Software Parking Graphical representation Long stay vehicle indication Average parking time Parking area with alarm and event monitoring Report Management Graphical representation based on actual layout Drawing Report Management for better parking operations Average traffic flow daily, weekly, monthly Different Color indication on software as per time spent in parking Manage and control each parking guidance device through software Floorwise parking count status, Vacancy status Toll free number for parking status through SMS (Optional) Additional hardware integration possiblity Cloud Application with server, hosting, domain maintainance for 5 years Complete in all respect	1.000	Each	248800.00	248800.00	INR Two Lakh Forty Eight Thousand Eight Hundred Only
	SITC Of Parking Information Vehicle Counting Module Vehicle Counting Device 24 Vdc/24 Vac power supply IP protected Enclosure Presence relay (N.O./N.C.) Multi-function signaling LED operating ambient temperature -0°C + 60 °,NO,NC. 3 Poles Communication : RS485/Ethernet	4.000	Each	47700.00	190800.00	INR One Lakh Ninety Thousand Eight Hundred Only
	SITC of RS-485 cable for transmits digital information between multiple locations. Data rates can be up to, and sometimes greater than, 10Mbps. RS-485 is designed to transmit this information over significant lengths.	150.000	Mtr	235.00	35250.00	INR Thirty Five Thousand Two Hundred & Fifty Only
	Supply, Installation, testing and commissioning of AMCA Certified (For Air and Sound Performance) long casing tube / vane axial flow Exhaust fan of different capacity as mentioned below in standard M.S. construction. Entire fan model & AMCA Seal shall appear in technical submittal of fan. All the fans are synthetic enamelled painted/hot dip galvanized with minimum 220 GSM Zinc Coating and complete with bird screen at inlet. The electric motor coupler shall be squirrel cage induction motor (IE-3 type) confirming to IS - 325-IP - 55 with class 'H' insulation. Motor shall be of high temperature resistance "Class H Smoke Spill" 250° C for 2 hrs. Fan shall be TUV / CE/UL Certified for high temperature. Fan shall be EN 12101-3 Certified high temperature. Motor should be VFD rated. Motor make shall be same as mentioned on the fire certificate. Fan efficiency should not be less than 70%. Noise level should not more than 80 dB @ 3 mtr distance when measured in hemispherical reverberant room conditions, for normal (non-fire) conditions, and not more than 85 dB @ 3mtr distance for fire conditions. Fans should be as per specification and drawings					
	Basement - Upper -- Exhaust Fans, 35000 CFM @ 25mmWC, normal conditions	4.000	Nos.	243170.00	972680.00	INR Nine Lakh Seventy Two Thousand Six Hundred & Eighty Only
	Basement - Upper -- Exhaust Fans, 35000 CFM @ 25mmWC, fire conditions	4.000	Nos.	217670.00	870680.00	INR Eight Lakh Seventy Thousand Six Hundred & Eighty Only
	Basement - Lower -- Exhaust Fans, 35000 CFM @ 30 mmWC, normal conditions	4.000	Nos.	241830.00	967320.00	INR Nine Lakh Sixty Seven Thousand Three Hundred & Twenty Only
	Basement - Lower -- Exhaust Fans, 35000 CFM @ 30 mmWC, fire conditions	4.000	Nos.	216334.00	865336.00	INR Eight Lakh Sixty Five Thousand Three Hundred & Thirty Six Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Providing, fixing, testing and commissioning of AMCA Certified (For Air and Sound Performance) long casing tube/ vane axial flow fresh air fan of different capacity as mentioned below in standard M.S. construction. Entire fan model & AMCA Seal shall appear in technical submittal of fan. All the fans are synthetic enamelled painted/hot dip galvanized with minimum 220 GSM Zinc Coating and complete with bird screen at inlet. The electric motor coupler shall be squirrel cage induction motor (IE-3 type) confirming to IS - 325-IP - 55 with class 'F' insulation. Motor should be VFD rated. Fan efficiency should not be less than 70 %, noise level should not be more than 80 db @ 3 m distance when measured in hemispherical reverberant room conditions. Fans should be as per specification and drawings					
	Basement - Lower -- Fresh Air Fans, 35000 CFM @ 30 mmWC, normal conditions	4.000	Nos.	228462.00	913848.00	INR Nine Lakh Thirteen Thousand Eight Hundred & Forty Eight Only
	IMPULSE JET FANS Jet Fan shall be provided with Dual Speed smoke spill motor with class "H" insulation for smoke extraction. Motor shall be suitable for operation on 415±10% volts, 50Hz, 3 phase AC power supply and capable to withstand 250 deg C temperature for a minimum duration of 2 hours. The Impeller of jet fan shall be Airfoil design with High efficiency blades. Fans shall be supplied with 2D silencer on both sides of the fan for Quite operation. The motor make of smoke/exhaust fan shall be same as mentioned on the fire certificate of the fan provided by international independent laboratory under certifying authority. Fan shall be AMCA Certified for Air and Sound Performance.Sound level of the fan should be certified along with the silencer. The fan shall be CE/UL/TUV Certified for smoke control and exhaust applications as per EN 12101-3 and drawings					
	Basement Upper & Lower- 315 mm dia	78.000	Nos.	51355.00	4005690.00	INR Forty Lakh Five Thousand Six Hundred & Ninety Only
	CFD Analysis Report	1.000	Job	150000.00	150000.00	INR One Lakh Fifty Thousand Only
	SITC of CO Sensor transmitter- online, continuous monitoring of CO and radicals concentration in ambient air, measuring range: 0-300 ppm CO with electro-chemical galvanic (Gel electrolyte) technology, sensor should be UL2075 certified, response time t90 < 30 sec, with anti-sleep feature, capable of providing multiple threshold to identify normal mode, invisible smoke mode and fire mode. It should provide both analog output and digital communication via RS485 serial interface with Modbus RTU. It should be uniquely addressable and suitable for connection in digital communication bus. Enclosure should have minimum fire retardant UL94: V0 rated with IP65 protection. Sensor cell should be plug-in, field replaceable, sensor life expectancy > 7 years, replaceable sensor cell, CE certified. It Should confirm to EMC-Directive 2014/30/EU and drawings					
	Basement - Upper & Lower	41.000	Nos.	11270.00	462070.00	INR Four Lakh Sixty Two Thousand & Seventy Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	<p>SITC of Control Panel with PLC based-combined single panel with fan starter and PLC modules, with self diagnostic feature of overload, cable heating, over temperature, inbuilt smoke detection and alarm. Control system should based on programmable logic controller (PLC) with RS485 serial interface over ModBus RTU open protocol digital communication, capable of configuring multiple threshold for each sensor to identify and trigger normal ventilation, fire mode etc. It should work in closed loop, feedback mode with sensors, with auxiliary power supply to the sensor transmitters.</p> <p>It should be easily integrated with BMS (from Master PLC Module) providing all parameter values including fan status, sensor values, threshold status, fire command etc. It should accept and offer command to & from fire alarm system.</p> <p>Programmable to run and control fan (Jet Fans, Axial Fans) operation in normal, early fire, ventilation and fire mode based on sensor values or fire alarm signal or BMS signal or Manual operation. Configurable to control fan operation of any zone based on trigger of sensor of any same or other zone.</p> <p>It should have closed feedback signals for fan status, fan error etc. It should have overvoltage, over current, phase protection features. Fan should be operable in Manual / Auto fan mode. Panel should be equipped with emergency stop mushroom type push button for emergency stop condition.</p> <p>Panel should equipped with over voltage, over current, phase protection, short circuit protection with motor starter based on DOL / Star - Delta. Bus bar should be hot sleeved with suitable rating. Cable entries provided from top</p>	2.000	Lot	900000.00	1800000.00	INR Eighteen Lakh Only
	FIRE FIGHTING PANEL -SITC of cubicle Indoor type totally enclosed freestanding type dust & vermin proof LT panel made out of 2.0mm thick and partition madeout of 1.6 mm MS sheet steel, suitable for 3phase , 4 wire , 415 V , 50 Hz , AC supplycomplete with incoming ACB / MCCB / SFU &outgoing MCB / MCCB / SFU , All the MCCBshould be with Rotary handle, Four PoleElectrolytic grade Al busbar of requiredcapacity, indication lamp etc complete as perdrawing, enclosed specifications andrecommended makes.					
	INCOMING					
	500Amp, TP, 36 KA, MCCB having Thermal Magnetic release with adjustable overload , & short circuit protection - 1 no					
	BUSBAR					
	750 Amp, TPN, E91 grade AL busbar for main MCB outing & feeders distribution. The Bus Bar section should be covered with withdrawable Acrylic sheet for protection.					
	OUTGOING					
	200 Amp, TP, 25 KA, MCCB with neutral link, having Thermal Magnetic release with adjustable overload , & short circuit protection, Automatic DOL Starters complete (with over load relay and single phasing preventor feature). ON/OFF TRIP, indication lamp, contactors etc. suitable for 37 KW motor (2 No. main fire pump). - 2 nos					
	160 Amp, TP, 16 KA, MCCB with neutral link, having Thermal Magnetic release with adjustable overload , & short circuit protection, Automatic DOL Starters complete (with over load relay and single phasing preventor feature). ON/OFF TRIP, indication lamp, contactors etc. suitable for 25 KW motor (1 No. Curtain fire pump). - 1 nos					
	40 Amp, TP, C curve, MCB, DOL Starter (with over load and single phase preventor feature). ON/OFF & TRIP, indication lamp, contactors etc. suitable for 5.6 KW motor (2 No. Jockey Pump). - 2 nos					
	32 Amp, TP, C curve, MCB, DOL Starter (with over load and single phase preventor feature). ON/OFF & TRIP, indication lamp, contactors etc. suitable for 3 KW motor (1 No. Terrace Pump). - 1 nos					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	40 Amp, FP, 10 KA, C curve, MCB - 2 nos					
	METERING SECTION					
	DIGITAL Energy meter of rating with 3nos 500/5A class 1 CTs as per SLD, The Digital meter shall measure V /I /F /PF /KW / KVA /KVAR / KWH / KVAH / KVARH parameters. The energy meter should have communication port & required hardware & software for communication, duly protected by 2A MCB - 1 nos					
	DIGITAL type Ammeter of rating (0-200amp)as per SLD duly protected by 2A MCB - 3 nos					
	DIGITAL type Ammeter of rating (0-100amp)as per SLD duly protected by 2A MCB - 3 nos					
	LED type RYB indication lamp (Red/ Green/ Amber) for On/Off/ trip indication duly protected by 2A MCB- 4 Nos.					
	Current transformer of as per SLD - 4 SET					
	WIRING					
	Set of control system to make the system automatic as per functional requirements.					
	Provision for starting the fire pump. The fire pump shall start automatically in the event of pressure drop beyond preset limit on pumps to start and logic necessary for automatic start.	1.000	Nos	350000.00	350000.00	INR Three Lakh Fifty Thousand Only
	Supplying, installing, testing and balancing of Non return gravity dampers for exhaust fans, suitable for withstanding fan velocity & pressure, with smooth movement	22.000	sq. mtr	12215.00	268730.00	INR Two Lakh Sixty Eight Thousand Seven Hundred & Thirty Only
	Supplying, installation, Testing and commissioning of the passenger having following main features: (a) MOTOR : Gearless lift drive comprising of high starting torque lift duty, 3 phase 440 Volts A.C. permanent magnetic synchronous motor of proper rating with high efficiency shall be used. (b) Operation/Drive : Microprocessor based /PLC, AC Variable Voltage variable frequency variable speed (V3F) vector control drive with encoder feedback closed loop system shall be used for lift car and door operation which shall be full collective selective operation hall call demand response, UP/Down hall stops, main, Up/Down contactor with overload and phase reversal relay and safety controls. (c) Traction Media: main hoist flat coated steel belt / rope. Thimbles of spring permit adjustment of uniform tension for smooth operation of the elevator Pulse belt monitoring system to avoid the cut in the belt. (d) Car : car should be with M S platform with bracings of adequate size and to sustain the impact load cabin plus passengers with safety factor of fire for steel with Anti-skid PVC flooring and side panels should be of Stainless steel with hair line finish of sheet of grade 304 duty with S.S. handrails . Car ceiling shall be steel finish with aesthetic appearances with LED ceiling lights. The size of the car shall be taken as per available lift well size and relevant BIS code of lifts. Car panel will also be of S S 304 grade finished with emergency stop device, emergency alarm, mechanical door safety device, full length infra-red curtain in car door, facility of auto/attended mode. All car panel buttons and all floor switches must be with brail language as per lift act. Agency shall also provide & install one No. 2 MP , IR , IP based ceiling mounted Dome Camera in the car complete with connecting cables & accessories (To be connected with existing CCTV system in the Building) .The inspection unit shall be provided at the top of the car. (e) Landing Doors: All landing door shall be fully automatic centre opening / telescopic made of hair line finish stainless steel grade 304 with key holes and infrared curtains with unlocking facility from					
	15/16 passengers/1020/1088 Kg, 3 stops, rated speed Adjustable up to 1.0 mtr /sec	7.000	Job	2653000.00	18571000.00	INR One Crore Eighty Five Lakh Seventy One Thousand Only
	SITC of 55" 4k Resolution or Better LED TV with remote control and wall mount unit / floor stand complete with making connections etc. as required.	1.000	Each	88500.00	88500.00	INR Eighty Eight Thousand Five Hundred Only
	Providing, installation, testing and commissioning of ONLINE UPS SYSTEM, Single Phase 230 V, 50 Hz with 2 hour backup SMF battery bank	1.000	Each	105133.00	105133.00	INR One Lakh Five Thousand One Hundred & Thirty Three Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Workstation latest Intel® i5 processor, Intel Chipset motherboard, 08 GB RAM, 1 TB SATA HDD at 7200 rpm, with 2 x 4GB GPU type higher end Graphic card for H.265 compression technique with dual display ports/DVI/ HDMI port, Giga LAN Card, wireless Keyboard, wireless optical Mouse. All as per pre approved by Engineer in-charge.	1.000	Each	91590.00	91590.00	INR Ninety One Thousand Five Hundred & Ninety Only
	Supply, installation, Testing and Commissioning of 1000 base-LX/LH single mode/Multi mode fibre to 1000 base-T copper giga bit , Media Converter complete as required complete in all respect. All as per pre approved by Engineer in-charge.	2.000	Each	9500.00	19000.00	INR Nineteen Thousand Only
	Supplying, installing and balancing of extruded Aluminium powder coated fresh air inlet louvers with bird screen & volume control damper fixing with steel screws etc. complete in all respect. All as per pre approved by Engineer in-charge.	40.000	Sq. Mtr.	13550.00	542000.00	INR Five Lakh Forty Two Thousand Only
	Supplying, Installation, Testing & Commissioning of Electrical Driven fire fighting duty Terrace pump as per TAC and IS 12469- 1988., Factory assembled in Pump make OEM suitable for automatic operation and consisting of following details given as A,B, C, D, E, F, G and H. (A) Horizontal End suction Centrifugal Back pull type pump complete for delivery of below mentioned discharge and Head(B) Material of construction : Pump Casing - Cast Iron, Impellor - Bronze, Shaft - SS 410, Packing - Mechanical Seal (C) Squirrel cage induction motor (IE-3 Class) suitable for 3 phase, 415 V, 50 HZ, Ac supply , Class -F Insulation, Synchronous speed not Exceeding 3000 RPM, T.E.F.C confirming to IP:55 , of required HP suitable for the above pump ,along with flexible (Love Joy type) coupling , coupling guard complete in all respect . (D) Common bed plate fabricated from mild steel channel for installation of pump and Motor including anti vibration pads. (E) The Hydrostatic tests (2 times of design operating head or 1.5 times the shut off head whichever is higher) and performance tests (to determine developed head, Pump BHP and efficiency v/s Flow) of pumps along with trip test shall be carried out at manufacturer's works in Virtual / Physical presence of Department's representatives. (F) Physical & Chemical Test reports of i) Pump casing (ii) Impeller (iii) Shaft (iv) Shaft sleeve and Dynamic Balance certificate is to be submitted by OEM (G) Suitable size Reinforced cement concrete (M-30) foundation with foundation bolt, Nozing Angle of size 40mm x40mm x5 mm (Cost of RCC Foundation to be paid Extra) (H) Weather proof hood fabricated from 5mm thick UV stablised FRP sheet supported by 50 mm x 50 mm x 5 mm Angle Iron fram above pumpset to protect it from weather All as per pre approved by Engineer in-charge.					
	900 LPM with 35 mtr head	1.000	Each	215500.00	215500.00	INR Two Lakh Fifteen Thousand Five Hundred Only
	SITC of UL listed / FM Approved Brass Test and drain valve assembly for sprinkler system comprising of 3-position (off, test and Drain) ball valves with drain orifice having K-factor 5.6 and maximum working pressure 300 PSI and Inbuilt sight glass etc. as required of following size. All as per pre approved by Engineer in-charge.					
	50 mm Dia.	8.000	Each	20400.00	163200.00	INR One Lakh Sixty Three Thousand Two Hundred Only
	Providing and fixing signages as per required content printed on photoluminescent U1000 aluminium sheet of 1.0 mm (+-10%) containing Lumigen II as base chemical, covered under UV stablized coating with suitable colour combination (Glow in dark) with high intensity properties for indoor surface glow visibility not less than 6 hrs. in total darkness and of appropriate size including fixing on wall, door, ceiling etc. with proper clamps, hangers, cleats, anchor fasteners etc. complete in all respects required. All as per pre approved by Engineer in-charge.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Double sided signage board	1500.000	Sq. Inch	21.00	31500.00	INR Thirty One Thousand Five Hundred Only
	Supplying and drawing Fire Resistant flexible / stranded bare copper conductor, PVC / XLPE insulated, overall aluminium mylar tape shielded ATC drain wire and outer PVC sheathed industrial Instrumentation (shielded)cables voltage grade 300/500 V as per BS /EN 50288-7 in existing surface or recessed PVC/ MS conduit/casing capping / Cable tray / Open Duct making connections, testing etc. as required. 2 x 1.5 Sq.mm Unarmoured With Outer Sheath in Red Color	3600.000	Mtr.	135.00	486000.00	INR Four Lakh Eighty Six Thousand Only
	Supply, Installation, Testing & Commissioning of ANPR (Automatic number Plate Recognition Camera + 1 illuminator Hardware accelerated, built-in motion detection Auto day & night switch; adaptive settings to environmental settings Automatic time synchronization (NTP) Adjustable image compression for max LPR performance Still images (JPEG) and compressed live video streams (MJPEG) Powerful IR illumination while low power consumption Extreme operation environments: IP67 rating. including power supply & suitable mounting clamp, etc. complete.	4.000	Each	236300.00	945200.00	INR Nine Lakh Forty Five Thousand Two Hundred Only
	P & F of Fire retardent , non porous double layer Canvas of required size with GI frame ,Gasket Nut Bolts for air cooling Plants/AHU/FCU etc complete with making connections etc as required All as per pre approved by Engineer in-charge.	25.000	Each	1800.00	45000.00	INR Forty Five Thousand Only
	Part-G: Operation and Maintenance					
	Second and Third Year O&M (Within DLP) With Min. 3 Nos. Skilled Manpower for parking electrical services during Parking Hours to operate and maintain all services)	1.000	Job	3177963.10	3177963.10	INR Thirty One Lakh Seventy Seven Thousand Nine Hundred & Sixty Three and Paise Ten Only
	Forth Year O&M(After DLP) With Min. 3 Nos. Skilled Manpower during Parking Hours to operate and maintain all services)	1.000	Job	3177963.10	3177963.10	INR Thirty One Lakh Seventy Seven Thousand Nine Hundred & Sixty Three and Paise Ten Only
	Total in Figures				68366317.20	INR Six Crore Eighty Three Lakh Sixty Six Thousand Three Hundred & Seventeen and Paise Twenty Only
	Quoted Rate in Figures		Select		0.00	INR Zero Only
	Quoted Rate in Words	INR Zero Only				