

जयपुर विकास प्राधिकरण, जयपुर

रूम नं. सी.बी. एफ.एफ. 121, नागरिक सेवा केन्द्र,
इन्दिरा सर्किल, जे.एल.एन. मार्ग, जयपुर-302004

क्रमांक/ जविप्रा/अधि.अभि. (विद्युत-111)/जॉब नं. 085/2021-22/डी-01

दिनांक: 03.01.2022

बिड आमंत्रण सूचना

बिड संख्या-17/2021-22

जयपुर विकास प्राधिकरण द्वारा “**Maintenance of Traffic Signals and ATCS system in Jaipur City**” जिसकी अनुमानित राशि रू. 337.76 लाख के लिए ऑनलाईन बिड्स दिनांक 14.01.2022 सायंकाल 6:00 बजे तक आमंत्रित की जाती हैं। निविदा बोली का ऑनलाईन आवेदन व भुगतान जयपुर विकास प्राधिकरण पोर्टल पर करने की अन्तिम तिथि 14.01.2022 को सायंकाल 6.00 बजे तक हैं। 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 करानी होगी।
2. ऑनलाईन निविदा प्रस्तुत करने के लिए निविदादाताओं का राजस्थान सरकार के ई-प्रोक्यूरमेंट पोर्टल www.eproc.rajasthan.gov.in पर पंजीकृत हो।

अधिशाषी अभियन्ता-(विद्युत-111)
जविप्रा, जयपुर।

JAIPUR DEVELOPMENT AUTHORITY

Room No. CB FF 121, CCC building,

Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004

No:- JDA/EE-(Elect.-III)/Job No. 085/2021-22/D-01

Dated: 03.01.2022

NOTICE INVITING BID

NIB No. : 17/2021-22

Online Bids are invited up-to 6.00 PM of 14.01.2022 for **“Maintenance of Traffic Signals and ATCS system in Jaipur City”**. Estimated cost of Rs 337.76 Lacs. The last date for applying bid and making online payment on JDA portal is up to 6.00 PM dated 14.01.2022. Details may be seen in the Bidding Document at our office or the website of State Public Procurement Portal website www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in and www.jda.urban.rajasthan.gov.in.

UBN No.

To participate in the bid, bidder has to be:

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

Executive Engineer-(Elect.-III)

JDA, Jaipur

JAIPUR DEVELOPMENT AUTHORITY

Room No. CB FF 121, CCC building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302004
Telephone: +91-141-2569696 e.mail : xxxxxxx@jaipurjda.org

No. JDA/E.E(Elect.-III)/2021-22/D-01

Date: 03.01.2022

NOTICE INVITING BID

NIB No. : 17/2021-22

| | |
|--|---|
| Name & Address of the Procuring Entity | <ul style="list-style-type: none"> ➤ Name: Executive Engineer (Elect.-III), Jaipur Development Authority ➤ Address: Room No. CB FF-121, CCC building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302004 |
| Subject Matter of Procurement | <ul style="list-style-type: none"> ➤ Maintenance of Traffic Signals and ATCS system in Jaipur City ➤ 085/2021-22 |
| Bid Procedure | Two Bid eBid procedure at http://eproc.rajasthan.gov.in |
| Bid Evaluation Criteria (Selection Method) | <ul style="list-style-type: none"> ➤ (eg. Least Cost Based Selection (LCBS)-L1) |
| Websites for downloading Bidding Document, Corrigendum's, Addendums, etc. | <ul style="list-style-type: none"> ➤ Websites: www.sppp.rajasthan.gov.in, www.eproc.rajasthan.gov.in, www.jda.urban.rajasthan.gov.in |
| Website for online Bid application and payment * | <ul style="list-style-type: none"> ➤ Website: www.jaipurjda.org ➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee & Bid Security Deposit online only. <ul style="list-style-type: none"> ○ Bidding document fee: Rs. 1000/- (Rupees One Thousand only) ○ RISL Processing Fee: Rs. 1000/- (Rupees One Thousand only) ○ Requisite Bid Security Deposit |
| Estimated Procurement Cost | <ul style="list-style-type: none"> ➤ INR Rs. 337.76 Lakhs (Rupees Three Crore Thirty Seven Lakhs & Seventy Six Thousand Only) |
| Bid Security Deposit | <ul style="list-style-type: none"> ➤ Amount (INR): 2% (Rs. 6,75,520.00) of Estimated Procurement Cost, 0.5% of S.S.I. of Rajasthan, 0.5% (Rs. 1,68,880.00) of S.S.I. of Rajasthan, 1% for Sick Industries, other than S.S.I., whose cases are pending with Board of Industrial & Financial Reconstruction ➤ (*2% for bidder who is A, AA & E-1 class contractor registered in other Govt. Department)/0.5% for bidder registered as contractor E-I in JDA. ➤ Micro small medium Enterprises situated in Rajasthan Tender fee 50% EMD value 0.5% ➤ In case of Departments of the state govt. and undertaking, corporations, Autonomous bodies, Registered societies, cooperative Societies which are owned or controlled or managed by the state Govt. and Govt. undertaking of the central Govt. shall submit a bid securing declaration in lieu of bid security. ➤ Eligibility: As per enclosed eligibility criteria in the Bid. |
| Date/time/place of Pre-Bid | <ul style="list-style-type: none"> ➤ NA ➤ Last date of submitting clarifications requests by the bidder <date and time> addressed to the procurement entity at <Address of procurement entity> |
| Applying bid and making online payment on JDA portal (www.jda.urban.rajasthan.gov.in) | <ul style="list-style-type: none"> ➤ Start Date: 05.01.2022 at 9.30 AM onwards ➤ End Date: 14.01.2022 at 06.00 PM ➤ In case EMD in form BG original bank guarantee is to be submitted in room no MBSF Room no. 225A of Sr.AO of main building, JDA, JPR by 17.01.22 to 18.01.22 upto 06.00 PM |
| Bid submission on e-procurement portal of GOR (www.eproc.rajasthan.gov.in) | <ul style="list-style-type: none"> ➤ Start Date: 05.01.2022 at 9.30 AM onwards ➤ End Date: 14.01.2022 at 06.00 PM |
| **Date/ Time/ Place of Technical Bid Opening | <ul style="list-style-type: none"> ➤ 19.01.2022 at 11.00 AM ➤ Room No. CB FF 121, CCC building, Ram Kishore Vyas Bhawan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004 |
| Date/ Time/ Place of Financial Bid Opening | <ul style="list-style-type: none"> ➤ Intimate later for qualified bidders |
| Bid Validity | <ul style="list-style-type: none"> ➤ 120 days from the bid submission deadline |
| Time Period | <ul style="list-style-type: none"> ➤ 12 (Twelve) Months |

*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 :

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, Safe crypt, Ncode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC.

Also, bidders must register on <http://eproc.rajasthan.gov.in>(bidders already registered on <http://eproc.rajasthan.gov.in> before 30-09-2011 must register again).

4. JDA will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed; choking of web site due to heavy load or any other unforeseen problems.
5. Bidders are also advised to refer "Bidders Manual Kit" available at eProc website for further details about the e-Tendering process.
6. Training for the bidders on the usage of e-Tendering System (eProcurement) is also being arranged by DoIT&C, GoR on a regular basis. Bidders interested for training may contact e-Procurement Cell, DoIT&C for booking 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.

➤ The following condition is now the part of the tender document.

“If any bidder quotes a rate below than the schedule “G” rates, i.e. rates below than “at par”, then the bidder has to deposit the difference amount i.e. difference amount of the rates as per “at par” and quoted “below”, as “work Performance Guarantee.” This amount has to be deposited before the commencement of work and will be refund after successful completion of DLP Period. Lowest bidder will be issued LOA (Letter of Acceptance) and within 14 days period he has to deposit difference amount in the form of B.G./FDR/NSC. The validity of these shall be for a period three months beyond the date for completion of DLP Period as per requirement. In case of non-deposition of the same in specified period, the Bid Security will be forfeited. In case work is not completed satisfactorily, the “work performance guarantee” will be forfeited and other action will be taken as per Contract Agreement (Order No. प.01(24)नविदि/1/2020 लूज जयपुर, दिनांक 20.09.2021).”

(Bhanwar Singh)
Executive Engineer-(Elect.-III)

Jaipur Development Authority, Jaipur

Office Order

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

Dated: 4-10-2016

Subject: Payment mechanism for participating in tender.

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

A. Payment Options:

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

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

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

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

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

Option-3: Payment Gateway (Aggregator)

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

B. Bid Participation Receipt

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

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

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

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

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


(Pawan Arora)
Secretary

Copy for information and further necessary action to:

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


(Brijesh Kishore Sharma)
OSD (RM)

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

Jaipur Development Authority

Bid Participation Receipt

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

Bid Detail

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

Dates Detail

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

Specific Instrument Detail for eProc Rajasthan

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

JAIPUR DEVELOPMENT AUTHORITY JAIPUR
GUIDELINES OF THE CONTRACT FOR ELIGIBILITY OF CONTRACTORS

NAME OF WORK: - Maintenance of Traffic Signals and ATCS system in Jaipur City

Guidelines of contract for **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 **QUALIFICATION** would be as follow:

- (a) Tender document shall be submitted on line e-procurement website <http://www.eproc.rajasthan.gov.in> with their digital signature. The bid is to be submitted in 2 envelop which shall comprise of Envelop-1 being for Technical Bid (Eligibility conditions, EMD, Registration of Contractors, tender document) and Envelop-2 being for Financial Bid & BOQ.
- (b) The Tender fee, processing fee and earnest money will be deposited online on or before **14.01.2022**.
- (c) The Bid envelope would be opened on the date **19.01.2022** at 11.00 AM Room No. CB FF-121, Citizen Care Building, Ram Kishore Vyas Bhawan, Indira Circle, JawaharLal Nehru Marg, Jaipur-302004 (Rajasthan)
- (d) The Financial Bid envelope would be opened only of those bidders who fulfil the ELIGIBILITY criteria in technical bid.

Executive Engineer (Elect-III)
JDA, Jaipur

Eligibility Criteria:

1. The Traffic Signal work in Jaipur City for Area Traffic Control System (ATCS) & UTCS is specialized nature of work. The Bidder who has completed/ executed at least (33% of bid value) one work of Installation of Traffic Signals/ Installation of Trafficcam/PTZ cameras/Traffic Signal or Maintenance of Traffic Signals & ATCS System in last five financial year and should be having experience of minimum 2 years in similar nature work. The Bidder has to submit the scan copy of experience certificate in the E-tender along with eligibility criteria.
2. The Bidder should be a Technology Partner of CDAC for ATCS & UTCS System and also having authorization to use CDAC Technology & having original license softwares CoSiCoSt of CDAC and attach the copy of these documents with bid.
3. Bidder registered as contractor in class E-I in JDA or contractor registered in AA, A or relevant category class in other Govt. Department/Manufacturer of Traffic Signals & ATCS System or any firm/ vender registered under company act for similar nature works.
4. The firm should ensure the availability of separate fiber for each junction to Yadgaar @ 100 Mbps for higher speed data transfer to uninterrupted video capture and traffic system. The Bidder shall furnish the undertaking in the E-tender along with the Bid.
5. The bidder/any one of JV partner shall necessarily have "A" class electrical license issued by electrical inspectorate of Govt. of Rajasthan/ Central Inspectorial Organization of Govt. of India/ Other state. The bidder should possess "A" class electrical license as stated above. After award of the contract, the bidder must have valid electrical contractor license issued by the Govt. of Rajasthan. The Bidder shall furnish an undertaking along with bid to submit "A" class electrical contractor license issued by Govt. of Rajasthan within 30 days after issued of work order. In case of not furnishing the valid electrical license issued by Govt. of Rajasthan in said time, bid security 2% and additional performance guarantee of the firm shall be forfeited.
6. JV is allowed.

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

Joint venture will be applicable as follows:-

In case the bidder comprise a joint venture or consortium following requirements shall also be complied with:-

- A. The total number of joint venture partners shall not exceed 2 (two). They must designate lead partner duly authorized by all the members who will re-present the J.V any of the two partners can be lead partner. The lead partner shall be nominated as being partner in charge and this authorization shall be evidenced by submitting power of attorney signed by the legally authorized signatories of all the partners.
- B. The partner in-charge (or, the lead partner) shall be authorized to incur liabilities and to receive instructions on the behalf of the partners of the J.V whether jointly or separately and entire execution of the contract (including payment) shall be carried out exclusively through the partner in-charge.
- C. The share of one of the two partners shall not be less than 26% and rest of the share shall be held by other partner (for example o/if share of one partner is 26% then of other partner it will be 74%). The JDA will only send communication to the lead partner which will be deemed to have been sent of all the J.V. partners. Similarly any negotiation and/or agreement with the lead partner shall be deemed to have been concluded with all the J.V. partners. All the members of J.V shall be bound by the said communication and all acts/deeds of the lead member.
- D. Any one of the two partners, alone, should fulfil the technical criteria. Similarly any one of the two partners, alone, should fulfil the financial criteria. For rest of the eligibility criteria qualifications of the two partners may be clubbed together.
- E. The individual partner of J.V alone or with other partners cannot participate in the same bid.
- F. Bid capacity is to be calculated by clubbing turn over and work in hand of all the joint venture firms.
- G. Attested copy of the MOU/Agreement/power of attorney entered in by the joint venture / consortium members duly notarized, shall be submitted along with the bid with intended percentage participation nomination of lead member and division of responsibility to clearly define the work of each member etc.
- H. All the members of the joint venture/consortium shall be jointly and severally liable for the execution of the contract.
- I. In the event of default by any member of the joint venture/ consortium in the execution of his part of the contract the partner in-charge will have the authority to assign the work to any other party acceptable to the employer to ensure the execution of the part of contract.
- J. If initially the bid has purchased and submitted by the any partner or by the JV firm in case of JV bid accepted the work order will be issued in favour of name of JV and the bidder will submit details of JV bank account to which payment is to be deposited by JDA.
- K. The experience certificate will be issued as per percentage of the shareholders defined in the JV agreement of the two partners.

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

SCHEDULE 'A' : INFORMATION USE FULL FOR THE CONTRACTORS:

The bidder should see the site and fully understand the condition of the site before bidding and include all lead, lifts etc. for the material in his item rate / percentage to the quoted on the rates as given in schedule 'G'. Then work shall be carried out in accordance with the Rajasthan PWD specification for electric works 1980 and to the entire satisfaction of the Engineer-Incharge of the work.

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

The drawing may be seen in 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 drawings required for the work at his own cost after deposition necessary cost within JDA.

SCHEDULE 'D': TEST OF THE MATERIALS:

The test of the material and workmanship shall be conducted by the JDA staff 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 Public Works.

Deptt. proper quality control is required to be maintained by the contractor. Qualified personnel 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.

SCHEDULE 'E': SAMPLES OF THE MATERIALS:

The samples of the material 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 15 days of issue of work order and completion within months/days.

SCHEDULE 'G': ATTACH SEPARATELY SCHEDULE 'G' BASED ON 2016 JDA BSR (Elect) RAJASTHAN JAIPUR /JDA APPROVED.

SCHEDULE 'H': SPECIAL CONDITION ATTACHED SEPARATELY.

SCHEDULE 'I': LIST F THE MATERIAL TO BE SUPPLIED BY THE DEPTT.

Whatever material available in JDA store shall be issued @ the prevailing store issue date of JDA + 5% storage charges at the time of issue of cement.

**Signature of Contractor
with full address.**

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

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

SPECIAL CONDITION

➤ The following condition is now the part of the tender document.

"If any bidder quotes a rate below than the schedule "G" rates, i.e. rates below than "at par", then the bidder has to deposit the difference amount i.e. difference amount of the rates as per "at par" and quoted "below", as "work Performance Guarantee." This amount has to be deposited before the commencement of work and will be refund after successful completion of DLP Period. Lowest bidder will be issued LOA (Letter of Acceptance) and within 14 days period he has to deposit difference amount in the form of B.G./FDR/NSC. The validity of these shall be for a period three months beyond the date for completion of DLP Period as per requirement. In case of non-deposition of the same in specified period, the Bid Security will be forfeited. In case work is not completed satisfactorily, the "work performance guarantee" will be forfeited and other action will be taken as per Contract Agreement (Order No. प.01(24)नविवि/T/2020 लूज जयपुर, दिनांक 20.09.2021).

"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. Special Conditions of Contract regarding Defect Liability Period (DLP) for Roads works costing Rs. 25.00 lacs and more shall be applicable
03. The contractor shall follow the contractor labour regulation and abolition Act 1970 & Rule 1971.
04. The JDA shall have right to cause on audit and 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 sum from him in ; the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the contractor was paid less then that was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be paid bay the JDA to the contractor.
05. The contractor shall not work after the sunset and before sunrise without specific permission of the authority Engineer.
06. Whenever any claim against the contractor for the payment of a sum of money arises out or 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 of 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 a 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 effect such recoveries under P.D.R. Act.
07. The rate quoted by the contractor shall remain valid for a period of 4 (Four) months from the date of opening of the tenders.
08. By submission of this tender the contractor agree to abide with all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.
09. No conditions are to be added by the contractor and conditional tender is liable to be rejected.
10. All transaction in the execution of this work and this tender will be liable to sale-tax vide section 2(B) read with sub clause (4) Sale-tax Rule, 1954.
11. If any bidder withdraws his tender prior to expiry of said validity period given at S. No. 7 or mutually extended prior or makes modifications in the rates, terms and conditions or fails to the tender within the said period, which are not acceptable to the department or fails to commence the work in the specified period, fails to execute the agreement 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 from absolutely. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and the work has to be put to retendering, shall stand

debarred for 6 Months from participating of tendering in JDA in addition to forfeiture of Earnest Money/Security/Performance Guarantee and other action under agreement.

12. The contractor shall arrange his own machinery required for the work.
13. The contractor shall arrange his own storage, yard of sufficient capacity for storing wherever supplied by the department.
14. Rules regarding enlistment of contractors provide that work ; upto five times limit for which they are qualified for tendering can be allotted to them Therefore, before tender the contractors will keep this in mind, and submit the details of work. Tenders with incomplete or incorrect information are liable to be rejected.
15. Any material not conforming to the specifications collected at site shall have to be removed by the contractor within a period of 3 days of the instructions, issued by the Engineer-In charge in writing. Failing which, such material shall be removed by the Engineer-In charge at risk and the contractor after expiry of 3 days period.
16. The material collected at site and paid provisionally shall remain under the watch and ward of the contractor till it is consumed, fully on the work.
17. None of the permanent works shall be carried out during night or Sunday or any authorized holiday without permission in writhing of the Engineer-In charge.
18. **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 connection, 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.**
19. The contractor/firm or company will display necessary signboards & lights from safety point on view during nights at site of work on his own cost as directed by the authorized Engineer In charge.
20. The surplus earth & damaged materials will be immediately removed from the site of work & dumped as per instruction of Engineer In charge.
21. No extra payment will be made to the contractor on account of clearance of soakage well/septic falling in the alignment of overhead or underground line.
22. The onus of safety and security of men and material at work including the road user shall be completely of the contractor only.
23. The rate provided in tender documents is inclusive of all Taxes & royalty.
24. The bidder are required to furnish the following documents along with the tender:
 - i. Duly executed power of attorney in original along with two certified copies in the name of the tender's authorized representative to act on behalf of the bidder and the power to agree to refer dispute to arbitration.
 - ii. Sales Tax & Income-Tax clearance certificate.
 - iii. Construction programme of work in the form of bar charts.
 - iv. Financial resourced with particulars.
 - v. Constitution, capital, registration, place of business of the bidder.
 - vi. Particulars of registration with central or State Government Organization if any.
 - vii. Details of work of similar type and magnitude already carried out by the tender.
 - viii. Details of work Tendered for and as on the date of issue of tender.
 - ix. Details of Plant machinery available with the tender for this work.
 - x. Details of plant machinery proposed to be used on the work; but not immediately available.
 - xi. **Details of qualified technical personnel proposed to employed on the work.**
 - xii. A declaration to the effect that the bidder is engineering construction firm or any associate of such firms which has successfully carried out large works of this nature and have adequate organization and experienced personnels to handle the present work.
 - xiii. Copies of certificates if any.
25. No extra load 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.
26. Undersigned has full right to reject any or all tenders without given any reasons.

27. It is a mandatory condition that contractor will get all insulated material tested from CTL of JVVNL before using it at site.
28. All the provision of the RAJASTHAN TRANSPARENCY IN PUBLIC PROCURMENT ACT, 2012 AND RULES, 2013 WILL BE APPLICABLE. IF THERE IS ANY CONTRADICATIONS IN EXISTING SPECIAL CONDITIONS AND PROVISION OF THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCURMENT ACT,2012 AND RULES, 2013 SHALL BE APPLICABLE.

**SIGNATURE OF CONTRACTOR
WITHFULL ADDRESS:**

**EXECUTIVE ENGINEER (Elect.III),
JDA, JAIPUR**

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Special Terms & Conditions for Electrification work.

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

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

1. DLP period for various type of above works will now be governed by Director (Engineering-I) office order no. 29 dated 11.03.2016 (Copy Enclosed named by DLP period)
2. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan. 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/PWD/JNN, then he will have to rectify the same.
4. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL/PWD/JNN and system is charged.
5. Inspection shall be bear by the contractor it self.
6. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL.
7. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
8. The contractor shall return unused material issued to him by the deptt. If desired by the Engineer in-charge and in case, of failure to do so he shall be charged for such unreturned material at double the issue rate including storage and supervision charges or the market rate whichever is higher. The basis of the theoretical consumption and allowing for wastage @ 5% at double the issue rate including storage and supervision charges or market rate which ever is higher.
9. **The contractor shall be fully responsible to follow safety code as per IS 3764:1992 (upto date). The work should be executed without damaging existing water pipe line, LT/HT electric under ground cable, poles, existing surface drain, water connections, Telephone cables etc. In case of any damages the penalty/ liability imposed for such work shall be borne by the contractor and shall be got repaired immediately by arranging material/ labor/ assistance etc. In case of delay JDA reserve right to execute/ get executed the work at the cost and risk of the contractor.**
10. It is a mandatory condition that contractor will get all insulated material tested from CTL of JVVNL before using it at site.

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

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

Signature & Seal of the Contractor

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Special Terms & Conditions for Traffic Light 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:

| | |
|------------------------|-----------|
| UTCS Controller | 12 Months |
| All types of LED's | 12 Months |
| Traffic Cameras | 12 Months |
| Cantilever Swaged Pole | 12 Months |
| All types of cables | 18 Months |

DLP Period of the work has been increased to three years therefore performance guarantee for above items shall now be three years.
2. The above performance guarantee has to be submitted to Executive Engineer (Electrical-III) on Non-Judicial Stamps of Rs.100/- duly attested by Ist class Magistrate/Notary Public.
3. The Contractor has to arrange for the permission for the charging of electrical system/New Electric connection from the Electrical inspector Govt. of Rajasthan/JVVNL. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority.
4. The Contractor will coordinate for charging process the system, handling over the system and if any defects, is pointed out by the RSEB/JVVNL/PWD, then he will have to rectify the same.
5. Inspection of material shall be bear by the contractor itself, including expenditure of 'to & fro' journey & Stay arrangements.
6. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL/PWD.
7. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
8. DLP period for various type of above works will now be governed by Director (Engineering-I) office order no. 29 dated 11.03.2016 (Copy enclosed by name as DLP period).
9. The Traffic Signal work in Jaipur City for Area Traffic Control System (ATCS) & UTCS is specialized nature of work. The Bidder who has done such work previously can only participate in this tender and should be having experience of minimum 2 years in similar nature work. The Bidder has to submit the scan copy of experience certificate in the E-tender along with eligibility criteria.
10. The Bidder should be a Technology Partner of CDAC for A.T.C.S & UTCS System having authorization to use CDAC Technology & having original license software's CoSiCoSt of CDAC. (Copy to be attached)

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

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

Signature & Seal of the Contractor

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

DETAILED SPECIAL CONDITION AND SPECIFICATIONS

1. The scope of the Schedule 'H' and 'G' comprises HT/LT Line work on the road mentioned in schedule 'G'
2. The tubular poles are proposed to be erected generally in the median strip of the road or sides unless otherwise instructions are given to change the alignment.
3. The road in question in national, highway / important only road and as not only heavy traffic passes through the road but all the VIPs also pass through it the before it will be the contractor responsibility the provide all retendered caution signs during the execution of work at his own cost in order in to avoid any mis-happening.
4. No opening shall be left uncovered during night. The bidder shall make all arrangement to avoid any claim if preferred on his account shall be the liability of the bidder.
5. No road or part of the road shall be cut without taking the prior permission in writing from the competent authority. The permission shall be arranged by bidder on the request of JDA. However, any changes will be borne by JDA.
6. The contractor shall be deemed to have carefully examined the specifications general condition and tender drawing etc. and they have been fully informed and have satisfied himself as to the nature and character of the work to be executed site conditions and other relevant matters and details.
7. References to standard code specifications recommendation shall mean the attested addition of such publications of the work to be executed at site before the date of invitation to submit proposals.
8. The excavated material shall be place within 1.5 Mtr. of the edge the half of the depth of the trench with have is more site clear shall be done within 24 hours.
9. The work shall be carried out strictly complying within Indian Electricity Rules in forces and as per specifications for Electrical work issued by PWD Raj., Jaipur 1980.
10. **Trenching:** The trenches shall be of shaper size as instructed by the Engineer-In-Charge.
 - (a) **Width**
 - (i) The minimum width of trench for laying single cable shall be 35 Cm.
 - (ii) Where more than one cable is to be laid in the same trench in horizontal formation. The width of the trench shall be increased such that the spacing between the cable shall be at least 20 Cm.
 - (b) **Depth:**
 - (i) Where cable core laid in single tier formation in the total depth of shall not be less than 75 cm for cable upto 1.1 KV.
 - (ii) When more than one tier of cable is unavoidable and vertical formation of laying is adopted depth of trench in (i) above shall increases by 30 cm for each additional tier to be formed.
 - (iii) The depth shall be 1.0 Mtr. of 11 KV, 1.5 Mtr. For 33 KV.
 - (c) **Excavation**

The trench must be excavated straight and if it is necessary to give band or curve raious of such trench shall be at least 12 time the over all dia meter of the cable.
 - (d) **Placing of the Cable**

The cable must be places in the trench on band of fine sand of 8 cm thick bed, and the cable shall be laid below water and sewer lines.
 - (e) For the safe guard of cable it must have covering of clean dry rever sand or any other type of soil as directed by Engineer-In-Charge in not less than 17 cm.
 - (f) **Protection**

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

11. Satisfactory type/acceptance test that results wherever applicable conducted from Govt./Govt. approved laboratory as per ISS shall be submitted prior to use. The routine tests of cable shall be conducted only after delivery at site at his own cost.
12. **Earthing**
The ground Earthing shall be done generally confirming to IS specification of 3043-1966 all the work earth terminal be provided duly crimped/soldered.
13. **Controlling Panels**
The controlling panels such as main panel service pillar box and fuse boxes are to be installed in span. The rubber gasket bedding of high quality rubber is to be provided around all operable parts. The all hard works should be made corrosion resistant giving all chemical treatment before its fabrication and before final coat desired colour painting and red oxide primer should be applied. All internal connectives are to be made with PVC insulated copper conductor with copper lugs duly crimped. The internal wiring shall be arranged with clips the bus bars and connection shall consist of drawn high conductivity copper strip with PVC 3 leaves tops of phase colours.
14. **Submission of drawing by the contractor**
The following two drawings are required to be submitted by the contractor.
 - (i) **Main Panel Drawing:** The Contractor shall submit the drawing of main panel all dimensions all internal connection of diagram, well before its fabrication and obtain prior approval of the drawings from the competent authority.
 - (ii) **Completion drawings:** The contractor shall submit the completion drawings of the project showing the routes of the cable and position of panel etc.
15. **Testing**
The following test shall be performed by the contractor at his own cost.
 - (i) **Continuity and installation test of cable:** The contractor shall arrange for the continuity of cable for well use of the perfect of the cable.
 - (ii) **Mager Testing:** The whole installation shall be arranged to be test by contractor after its completion shall in presence of Engineer-In-Charge and results shall be recoated and signed jointly.
16. Earthing Testing: Earth test shall be performed by the contractor and results will be used be recorded and signed jointly.
17. Any other test for cable etc. required shall be arranged by the contractor.
18. No condition of any short except as provided in the printed form schedule of quantities will be entertained.
19. Conditions given in the bid form apply in full.
20. The contractor shall have to obey the labour laws. The labour shall have to pay monthly and shall have first line on the bill of contractor, in case of complaint of labour and nonpayment of wages is received to the department.
21. The rate of every item should be quoted against each in figures and in words as well for complete Non BSR Items.
22. In case of any typographical error in nomenclature, unit and rate, the rates as per BSR on which 'G' Schedule is prepared shall be binding on the tenders.
23. In case of any dispute the Executive Engineer (Electrical-III) decision shall be final.
24. The bidders are expected to be fully conversant with the general and special conditions of contract in force in this office. They must see the site of work acquaint themselves of the position of the materials. Fluctuation of the rates in the market, see the schedule and plans in the office and remove doubts, if any, before submitting their tenders.

25. The JDA is not responsible for arranging any material whatsoever any the contractor will have to complete the work within the specified time with specified material and approved accessories, from the stock, non-availability of material or delay in the consignment will not be entertained to as an excuse for extension of time for completion of work.
26. Contractor will not be paid extra for sales or any other tax.
27. Bid must be submitted on the prescribed forms duly signed by the bidder on every page.
28. All entries by the bidder should be in on ink only. Erasers and over writings are not permissible. All cancellation correction and insertions must be signed by the bidder.
29. Rate quoted should be given for the work, separately in words and figures in case there is any difference in rates between words and figures the lower of the two will be taken as correct.
30. All the papers signed by the parties to this contract and bond together and sealed shall deemed to form part of the contract bond and shall be read as conditions of contract.
31. In every case in which by virtue for the provisions of section 12 sub section (I) of the workman's Compensation Act. 1923 cost is obliged to pay compensation to a workman employed by the contractor of by a sub contractor for execution to said work Govt. will recover from the contractor the amount of the compensation paid and without prejudice to the rights of Govt. under section 12 sub section (2) of the said Act, Govt. shall be at liberty to recover such amount or any part thereof by deducting if from the earnest money deposited by the contractor to his credit or any other sum due by Govt. to the contractor whether under this contract or otherwise.
32. The contractor should have submit safety certificate for equipment each year separately in maintenance period.
33. The contractor shall arrange the certificate from electric inspector on completion of the electric installation at his own. However, any fee to be paid on this account shall be paid by the JDA.
34. The entire material should be as per JDA BSR 2016 of Electrical work of Schedule 'G' & specified main materials of schedule 'H' and shall be of ISI marked.

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

**SIGNATURE OF CONTRACTOR
WITHFULL ADDRESS:**

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

Note:-

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

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 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 unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest :-

The Bidder participating in a bidding process must not have a Conflict of interest. A conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

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

Annexure B : Declaration by the Bidder regarding Qualifications Declaration by the Bidder

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

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

Date :

Signature of bidder

Place :

Name :

Designation :

Address :

Annexure C : Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is **ACE (Elect), JDA Jaipur**

The designation and address of the Second Appellate Authority is **JDC, JDA, 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 thereunder, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved: Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings: Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

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

(3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

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

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

(5) Form of Appeal

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

(6) Fee for filing appeal

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

(7) Procedure for disposal of appeal

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

FORM No. 1

[See Rule 83]

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

Appeal No. of

Before the (First/Second Appellate Authority)

1. Particulars of appellant :

(i) Name of the appellant :

(ii) Official address, if any :

(iii) Residential address :

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

(i)

(ii)

(iii)

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

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

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

6. Grounds of appeal :

(Supported by an affidavit)

7. Prayer :

Place

Date

Appellant's Signature

Annexure D : Additional Conditions of Contract

- **Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

i. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;

ii. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected and . 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 quantity 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 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, 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 crosses 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 DLP period | 1 Year | 2 Year | 3 Year | 4 Year | 5 Year |
|--|--------|--------|--------|--------|--------|
| 1 Year | 1.12 | - | - | - | - |
| 2 Year | 2.55 | 1.43 | - | - | - |
| 3 Year | 4.38 | 3.26 | 1.83 | - | - |
| 5 Year | 9 | 7.88 | 6.45 | 4.62 | 2.47 |

Note :- Calculation is to be done on 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.**

Bank Guarantee Performa for Bid security deposit

Form of (Bank Guarantee) -En cashable at 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 the Security Deposit for the work of "**Maintenance of Traffic Signals and ATCS system in Jaipur City**"

WHEREAS, _____ [name of Bidder with address] (**hereinafter called "the Bidder"**) has submitted his Bid datedfor the work of "**Maintenance of Traffic Signals and ATCS system in Jaipur City**" (Name of Work) (Hereinafter called "the Bid").

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

That on demand of JDA , this Bank Guarantee is encashable at 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, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

The amount covered under the above Bank Guarantee shall be automatically be 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 written for its release.

Date _____ Signature of the Bank _____

Witness _____ Seal _____ [Signature, Name and Address]

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

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Annexure-3

Name of Work:- Maintenance of Traffic Signals and ATCS system in Jaipur City

Special Terms and conditions of the contract (For Traffic Signal Work)

1. The work comprises all in all maintenance of UTCS controller based traffic signals including their accessories like controller unit, LED lights, Poles, Head assemblies etc. as per schedule 'G'
2. The contractor shall follow the maintenance schedule mentioned as below;
 - a) Daily;
 - I. Collection of report from each crossing and recording the defects and time taken for rectification in log-book (as per Performa).
 - II. Making contract with J.E. & Police persons on duty.
 - b) Weekly;
Checking of operation of various components like controller unit LED light etc.
 - c) Fortnightly;
 - I. Tightening all connections in the connectors/controller unit etc.
 - II. Cleaning of signal head assemblies with lenses including outside of signal assemblies.
 - d) Monthly;
Submission of copies of log-books
 - e) Six monthly
Testing of cables by megger & tightening of cable termination.
3. The system remains in operation round the clock.
4. Attending of faults and rectification thereof;

| S.No. | Nature of fault | By whom to be attending and responsibility | Period of rectification |
|-------|---|--|---|
| 1. | Defect in LED Light | Contractor | Same day |
| 2. | Blown up fuse wire | Contractor | Same day |
| 3. | Defect in Controller unit/Cable Fault | Contractor | Same day |
| 4. | Failure of supply from JVVNL/ Disconnection due to non payment | JVVNL/JNN The contractor shall lodge the complaint with responsible department and will pursue to get the supply released. The contractor will intimate to the department in writing about the cause of failure | No payment shall be made for disconnection period |

| | | | |
|----|--|--|--|
| 5. | Damage of controller, posts, signal head assemblies, LED, lights, count downs due to road accident/Natural calamities/Theft. | The contractor will not be responsible for any damages. However the contractor will intimate to the department in writing and lodge F.I.R. Necessary action will be taken by the department for repairing the damaged items. | No payment shall be made till crossing is again put in working order. To be rectified in Five days. |
| 6. | Damaged of cables | The contractor will be not responsible for damages of cables. However the contractor will intimate to the department in writing and lodge F.I.R. and department will take necessary action to replace the damaged cables. | No payment shall be made till crossing is again put in working order. To be rectified in Five Days. |

5. The period allowed for rectification is to be observed strictly and no compensation shall be applicable if the faults are not rectified within the prescribed period. The contractor shall be liable to pay the compensation on failure to rectify the defects within the prescribed period amounting to Rs. 1000/- per point/crossing per day.
6. In Order to ensure the uninterrupted and smooth functioning of system the contractor is supposed to keep the spares and material 10% of the quantity fixed at site in his stock at all time.
7. Following items and quantities their of should always be available with the contractor.
 - I. LEDs - 5000 Nos.
 - II. SMPS - 50 Nos.
 - III. Mother Baord - 50 Nos.
 - IV. Acrylic Sheet - 50 Nos.
 - V. Transformers - 50 Nos.
 - VI. Relays - 100 Nos.
 - VII. Wire of required size one coil of each size.
 - VIII. Fuse wire - Sufficient Quantity
 - IX. 12 Volt Battery - 100 Nos.
8. The contractor should keep all the T&P required for the work with him contractor shall provide mobile phone voice-talky to his staff. The contractor is also supported to engage the following staff.
 - I. Three qualified engineer to Electronics / Computer
 - II. Seven skilled electric personnel
 - III. Six un-skilled labour
9. The Contractor will not be responsible for any loss to the Equipment's of Traffic Signals such as controller, poles, signal Head Assemblies, LED lights, Countdowns, Cables etc. due to road accidents/natural calamities/theft/road cutting by the third party etc.
10. The contractor shall maintain the log-book in the following Performa.

| S.No. | Location | Nature | of | Time | Time taken in rectification | Material used |
|-------|----------|--------|----|------|-----------------------------|---------------|
| | | | | | | |

| | | | | | |
|--|--|-------|--|--|--|
| | | fault | | | |
|--|--|-------|--|--|--|

The contractor is supposed to keep a close liaisoning with the Junior Engineer, Assistant Engineer, Traffic Inspector for the smooth functioning of the system.

In case the contractor fail to follows all above or any of the conditions and instruction the contractor shall be liable to be terminated.

11. The payment shall be made on monthly basis after receiving the log-book from the contractor and measurement checked by the J.E/A.E.
12. The number of crossing to be maintained can be increased/decreased as per requirement.
13. The contractor shall furnish name of various work of similar nature executed by him during the last two years and shall also enclose the certificate of satisfactory work. In the absences of such documents tender will not be accepted.
14. Contractors should have own sky lift registered with own name because traffic lights and camera under ATCS work installed on cantilever pole and its height 7.5 Mtr. Above from ground so sky lift is needed any time of work and contractor will provide copy of Registration Certificate along with the tender documents and contractor should also have TATA 407, commercial use truck and should have at least 6 nos. two wheeler vehicle which is use only in maintenance services. No extra cost to be given by the Department.
15. **The firm should ensure the availability of separate fiber for each junction to Yadgaar @ 100 Mbps for higher speed data transfer to uninterrupted video capture and traffic system. It shall be responsible for any damages & defect in fiber and resolve defect as and when they come immediately.**
16. The firm will hand over the Microprocessor, UTCS, Solid State controller & count town timer, Blinkers & traffic signals in good working condition to the department/new contractor at the end of the contract period.
17. The components to be used in maintenance work of whole system should be of approved make mentioned in tender schedule and It is to be inspected by AEN or undersigned. Use of any substandard component will lead to penalty of Rs. 5000/- each component. It may be inspected by higher authority (SE/ACE/DE) also.
18. Contractor will provide M&R staff and store/space near to site.

Signature of Contractor

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

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Annexure-4

Name of work:- Maintenance of Traffic Signals and ATCS system in Jaipur City

Special terms and conditions of the contract (For ATCS work)

1. The work comprises all in all maintenance of ATCS including their accessories like full system existing in room no. 51, Yadgar, Controller unit based on Composite Signals control Strategy (CoSiCoSt) software and Vicon Cameras with authorized license and Vicon cameras. The details of Items & softwares installed in control room are as under which are also to be maintained by the contractor.

1) Softwares

- i. CoSiCoSt
- ii. Linux
- iii. Post gres 8.3
- iv. JDK1.6 (JAVA)
- v. ATCS
- vi. TOMCAT
- vii. ATCS DS & HMI
- viii. ATCHMI
- ix. Recorder Vicon
- x. Vicon Viewer
- xi. Vicon Nucleus
- xii. Vicon Recorder & Viewer

| | | |
|--------------------|---|---|
| 2) ATCS Server | - | 1 |
| 3) Vicon Server | - | 1 |
| 4) RAID Controller | - | 1 |
| 5) Router | - | 1 |
| 6) Switch | - | 1 |
| 7) Operator Consol | - | 3 |
| 8) LCD TV – 50” | - | 4 |
| 9) A.C. | - | 1 |
| 10) UPS (5KV) | - | 1 |

2. The contractor shall follow the maintenance schedule mentioned as below;

a) Daily;

I. Collection of report from each crossing and recording the defects and time taken for rectification in log-book (as per performa). (For Controllers and Cameras only)

II. Making contract with J.E. & Police persons on duty.

b) Weekly;

Checking of operation of various components like controller unit Cameras, Full system and updating of Software if required.

c) Monthly;

Submission of copies of log-books

3. The system remains in operation round the clock.
4. Attending of faults and rectification thereon;

The faults have been classified in the following schedule showing the responsibility of attending and rectification in prescribed period;

| Sl.No. | Nature of fault | By whom to be attending and responsibility | Period of rectification |
|---------------|--|--|--|
| 1. | Blown up fuse wire | Contractor | Same day |
| 2. | Defect in Camera | Contractor | Same day |
| 3. | Failure of supply from JVVNL/ Disconnection due to non payment | JVVNL/JNN But the contractor shall lodge the complaint with responsible department and will pursue to get the supply released. The contractor will intimate to the department in writing about the cause of failure | No payment shall be made for disconnection period |
| 4. | Damage of Cameras due to road accident/Natural Calamities/Theft etc. | The contractor will be not responsible to any loss to Cameras. However the contractor will intimate to the department in writing and lodge F.I.R. and necessary action will be taken by the department to replace the damaged Cameras. | No payment shall be made only if completed crossing remains non functioning. To be rectified in Five days. |
| 5. | Damaged of cables | The contractor will be not responsible for any damages of cables. However the contractor will intimate to the department in writing and lodge F.I.R. and action will be taken by the department for replacing the cables. | No payment shall be made till crossing is again put in working order. To be rectified in Five days. |
| 6. | Damage/Theft of U.P.S. Batteries | The contractor will intimate to the department in writing and lodge F.I.R. | Batteries will be replaced by Department. |

5. The period allowed for rectification is to be observed strictly and no compensation shall be applicable if the faults are not rectified within the prescribed period. The contractor shall be liable to pay the compensation on failure to rectify the defects within the prescribed period amounting to Rs. 200/- per point/crossing per day.
6. In Order to ensure the uninterrupted and smooth functioning of system the contractor is supposed to keep the spares and material 10% of the quantity fixed at site in his stock at all time.
7. The contractor should keep all the T&P required for the work with him contractor shall provide mobile phone voice-talky to his staff. The contractor is also supported to engage the following staff.

- I. One qualified Engineer to Electronics & Computer, A.T.C.S.
 - II. One qualified Supervisor/ One qualified Engineer
 - III. Two skilled Electric personnel knowledge of surveillance cameras.
 - IV. Two un-skilled labour
8. The contractor will be not responsible for any loss cameras/cables etc. due to road accidents/natural/ calamities/Theft/Road cutting by third party etc. The contractor shall maintain the log book in the following performa:

| Sl.No. | Location | Nature of Fault | | | Time | Time taken in rectification | Material used |
|--------|----------|-----------------|--------------|--------------|------|-----------------------------|---------------|
| | | Camera | Connectivity | Control Room | | | |

9. The contractor is supposed to keep a close liasioning with the Junior Engineer, Assistant Engineer, Traffic Inspector for the smooth functioning of the system. In case the contractor fail to follows all above or any of the conditions and instruction the contractor shall be liable to be terminated.
10. The payment shall be made on monthly basis after receiving the log-book from the contractor and measurement checked by the J.E/A.E.
11. The number of crossing to be maintained can be increased/decreased as per requirement.
12. The contractor shall furnish name of various work of similar nature executed by him during the last two years and shall also enclose the certificate of satisfactory work. In the absences of such documents tender will not be accepted.
13. Contractors should have own sky lift registered with own name because traffic lights and camera under ATCS work installed on cantilever pole and its height 7.5 Mtr. Above from ground so sky lift is needed any time of work and contractor will provide copy of Registration Certificate along with the tender documents and contractor should also have TATA 407, commercial use truck and should have at least 6 nos. two wheeler vehicle which is use only in maintenance services. No extra cost to be given by the Department.
14. **The firm should ensure the availability of separate fiber for each junction to Yadgaar @ 100 Mbps for higher speed data transfer to uninterrupted video capture and traffic system.** It shall be responsible for any damages & defect in fiber and resolve defect as and when they come immediately.
15. The firm will hand over the ATCS in good working condition to the department/new contractor at the end of the contract period.
16. The components which will be used for the maintenance work of the ATCS/ Cameras should be of approved original make verified by the Engineer-in-charge.
17. Contractor will provide M&R staff and store/space near to traffic police control room at Yadgar.

Signature of Contractor

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



JAIPUR DEVELOPMENT AUTHORITY

**Name of Work:- Maintenance of Traffic Signals and ATCS
system in Jaipur City**

Financial Bid

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

JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Name of Work:- Maintenance of Traffic Signals and ATCS system in Jaipur City

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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. BIDDING 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 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, as 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 be no liability on the part of the 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 POTENTIAL ASSESSMENT

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

Documents to be submitted with financial bid are as follows:

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

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

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

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

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

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

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

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

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

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

2. EXECUTION DRAWINGS

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

3. TERMS OF PAYMENTS

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

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

No advance shall be payable to the contractor.

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

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

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

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

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

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

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

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

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

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

The contractor shall carry out additional/Reduce work or supply material/ equipments at the same quoted rates up to any increased or decreased quantities specified in detailed bill

of quantities. The department shall also be at liberty to ask the contractor to supply, erect and commission rates within four months of stipulated date of commencement of the work order without any price variation.

4 BAR CHART & CASH FLOW CHART

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

5 PERFORMANCE BOUND CONTRACT

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

6 TRAINING OF PERSONNEL

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

7 GUARNTEE

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 replaced with parts of original specifications and made by the contractor at his own cost.

10 Security deposit will be returned to the contractor after 12 months 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 dispatched after issuance of certificate from JDA Engineer that the material is fit for dispatch, even after receiving the ornamental poles at site JDA reserves 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 the Engineer -In charge in writing failing which, such material shall be removed by the Engineer-In charge at risk and cost of the contractor after expiry of 3 days period.
15. The material collected at site and paid provisionally shall remain under and ward of the contractor till it is consumed, fully on the work.
16. The rates provided in bid documents are inclusive of all Taxes and royalty.
17. For paver work at least 3 road rollers shall be simultaneously deployed.
18. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule Source/borrow pit area for earth shall have to be arranged by the Contractor at his own cost.
19. Undersigned has full right to reject any or all bids without given any reasons.
20. Mortar of Masonry work and lean concrete will be permitted mixer with hopper.
21. As per Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the act.
22. Special Conditions of Contract regarding Defect Liability Period (DLP) for Roads works costing Rs. 25.00 lacs and more shall be applicable

23. The bidders are required to submit copy of their enlistment as contractor.
24. Conditions of RPWA-100 will be mandatory & acceptable to the contractor.
25. Any bid received with unattested cutting/ overwriting in rates shall be rejected and such bidder will be debarred from bidding for three months in JDA.
26. All the **provision of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules, 2013 will be applicable. If there is any contradictions in existing special conditions and provisions of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013 provision of THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013 shall be applicable.**

**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.

**Executive Engineer (Elect-III)
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 activities listed below shall be carried out to make the Electrical System ready for Commissioning.

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

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

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

- (c) Applicable codes as listed in the Contract are followed for materials and workmanship.
- 6.3 Items such as painting, thermal insulation and final clean up which do not materially affect the operation or safety of the Electrical System will be excluded. All these items shall be listed and completed after the Pre-commissioning or Commissioning at the discretion of the Contractor, but before acceptance.
- 6.4 The Contractor shall prepare and maintain at Site test forms and records that shall include:
 - (a) Description of type of test or check
 - (b) Date and time of test or check
 - (c) Identification of equipment and facilities
 - (d) Test pressure, test data and results, including remarks, if any
 - (e) Signature of the Contractor's personnel attesting to data recorded, if any.The Contractor's construction forces thereof shall carry out checks, tests and recording.
- 6.5 Wherever the Owner's witness or attesting of the check or test is required, the Owner's personnel shall attend such check and test. For this purpose, the Contractor shall keep the Owner informed of a day-to-day test plan schedule. The test plan schedule may be revised from time to time to reflect the actual progress of the work and test.
- 6.6 Any items found incomplete or requiring repair or adjustment shall be marked as such on the test records and then reported by the Contractor to the Owner and the Contractor's personnel in charge of the relevant construction area.
- 6.7 Checking procedures shall be repeated until all the items on the checklist are cleared
- 6.8 A complete set of test records shall be handed over to the Owner on completion.
- 6.9 The tests on the different Mechanical and Electrical equipment shall include but not limited to:
 - (a) Pump motors
Condition of winding insulation be tested and insulation values shall be restored to required level by suitable heating arrangements locally.
 - (b) MV Switch board / Power Distribution Boards
 - (i) Checking of all internal wiring for correctness as per supplier's drawings.
 - (ii) Insulation resistance test.
 - (iii) CT Polarity Test / PT Ratio Test.
 - (iv) Operational check of instruments and testing of relays by primary / secondary injection.
 - (v) Phase sequence test.
 - (vi) Functional simulation test.
 - (vii) Local & Remote Operation.

- (c) Power and Control Cables
 - (i) All cores of cables shall be tested individually for continuity and insulation resistance with earth/sheath/armour as well as between the cores, before as well as after installation.
 - (ii) Pressure test as per relevant IS will be carried out on all 11 kV cables together with joints.
- (d) Distribution Boards / Switch Socket Outlets
 - (i) Checking of wiring as per drawing.
 - (ii) Insulation resistance.
 - (iii) Functional test.
- (e) Tests for Earthing System
 - (i) The resistance of each earth pit shall be measured and recorded.
 - (ii) The resistance of the complete earthing system shall be less than 1.0 ohm or values specified by the local Electrical Inspector whichever is less.
 - (iii) Earthing continuity tests shall be carried out for all the equipment.

7. COMMISSIONING

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

- (ii) Start-up
 - (iii) Initial rearming –
 - (iv) Operability adjustment
 - (v) Stable operation
 - (vi) Final adjustment
- (b) At all stages of commissioning sequence, the Electrical System shall be operated at optimum Electrical System conditions. To ensure this, the Contractor may make minor adjustment to the conditions indicated in the Operation and Maintenance Manual as necessary.
- (c) The Contractor shall check the operating conditions of the Electrical System by constantly monitoring operating data.
- (d) The Contractor shall specify for each discrete part of the Electrical System the operational data to be recorded and the manner in which the data is to be taken.
- (e) All the operating data shall be recorded by the Owner on the forms to be mutually agreed. The Owner shall make a copy of the operating log and analytical data from initial operation through to the completion of Performance Test available to the Contractor for evaluation.

8. PERFORMANCE TEST

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

9. ACCEPTANCE

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

(a) 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 Standard s | 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) |

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|-----|---------|---|
| 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). |

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|-----|----------|---|
| 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. |

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| 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:

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|--------------------------------|--|
| 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

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|---|--|
| 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 |
| | |

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

Signature of Contractor/Bidder

**Executive Engineer (Elect-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 thereof relating to the matter.

(c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

(d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

FORM No. 1

[See Rule 83]

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

Appeal No. of

Before the (First/Second Appellate Authority)

1. Particulars of appellant :

(i) Name of the appellant :

(ii) Official address, if any :

(iii) Residential address :

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

(i)

(ii)

(iii)

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

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

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

6. Grounds of appeal :

(Supported by an affidavit)

7. Prayer :

Place

Date

Appellant's Signature

Annexure D : Additional Conditions of Contract

- **Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

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

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (ii) On repeat order for extra items for additional qtls 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.

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Sub: Maintenance of Traffic signals and ATCS system in Jaipur City

Contract No: EE (Elect-III)/17/2021-22

| Bidder Name : | | | | | | |
|----------------|--|----------|-----------|----------------|--------------|--|
| PRICE SCHEDULE | | | | | | |
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 1.00 | All in all maintenance to keep up trafficam Cameras with Software & Hardware complete in all respect. | | | | | |
| 1.10 | Trafficam Camera with Power Supply | 2112.000 | Per Month | 1000.00 | 2112000.00 | INR Twenty One Lakh Twelve Thousand Only |
| 1.20 | Modules | 600.000 | Per Month | 525.00 | 315000.00 | INR Three Lakh Fifteen Thousand Only |
| 2.00 | All in all maintenance of UPS (5 KV) to keep up in working order | 48.000 | Per Month | 844.00 | 40512.00 | INR Forty Thousand Five Hundred & Twelve Only |
| 3.00 | All in the maintenance to keep up to complete ATCS in working order. The System is based on CDAC Techology working on composite signals control strategy (CoSicoST) Software installed at 58 Nos. Junctions on Tonk road, M.I. road, JLN Marg, Ashok Marg | 696.000 | Per Month | 11011.00 | 7663656.00 | INR Seventy Six Lakh Sixty Three Thousand Six Hundred & Fifty Six Only |
| 4.00 | All in all maintenance of Air Conditioner to keep up in working order | 108.000 | Per Month | 388.00 | 41904.00 | INR Forty One Thousand Nine Hundred & Four Only |
| 5.00 | Rent for 100 Mbps for connectivity for operation of TCS (Rent & Maintenance of OFC) | 696.000 | Per Month | 4323.00 | 3008808.00 | INR Thirty Lakh Eight Thousand Eight Hundred & Eight Only |
| 6.00 | All in all maintenance to keep up of complete traffic signal system in working order at a crossing including controller, posts , head assembly, bulbs/LED reflector, material (Consumables / Software of OEM of traffic signal to be used only) T&P etc. as required. (CDAC Technology's/software's controller. Operated with Solar Panel with Battery | 12.000 | Per Month | 15000.00 | 180000.00 | INR One Lakh Eighty Thousand Only |
| 7.00 | All in all maintenance to keep up of complete traffic signal system in working order at a crossing including controller, posts , head assembly, bulbs/LED reflector, material (Consumables / Software of OEM of traffic signal to be used only) T&P etc. as required. Complete Rate | | | | | |
| 7.10 | With solid-state controller & LED Signal Heads | 168.000 | Per Month | 520.00 | 87360.00 | INR Eighty Seven Thousand Three Hundred & Sixty Only |
| 7.20 | With UTCS controller & LED Signal Heads | 2256.000 | Per Month | 4800.00 | 10828800.00 | INR One Crore Eight Lakh Twenty Eight Thousand Eight Hundred Only |
| 7.30 | With microprocessor controller & LED Signal Heads | 372.000 | Per Month | 680.00 | 252960.00 | INR Two Lakh Fifty Two Thousand Nine Hundred & Sixty Only |

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Sub: Maintenance of Traffic signals and ATCS system in Jaipur City

Contract No: EE (Elect-III)/17/2021-22

| PRICE SCHEDULE | | | | | | |
|----------------|--|-----------|-----------|----------------|--------------|---|
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 7.40 | Programmable Three Digit Countdown timer Big / Small | 7560.000 | Per Month | 360.00 | 2721600.00 | INR Twenty Seven Lakh Twenty One Thousand Six Hundred Only |
| 8.00 | All in all maintenance to keep up blinker signal in working order at a crossing including controller, posts , head assembly, bulbs / LED reflector and material , T&P as required. Complete Rate | 276.000 | Per Month | 360.00 | 99360.00 | INR Ninety Nine Thousand Three Hundred & Sixty Only |
| 9.00 | All in all maintenance to keep up Crystal control solar road warning blinker signal with solar panel in working order at a crossing including controller, posts , head assembly, bulbs / LED reflector and material , T&P as required. Complete Rate | 3096.000 | Per Month | 440.00 | 1362240.00 | INR Thirteen Lakh Sixty Two Thousand Two Hundred & Forty Only |
| 10.00 | P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with Copper conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand,Ind class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size. Complete Rate Armoured | | | | | |
| 10.10 | 2.5 Sq. mm, 4 Core | 10000.000 | Mtr. | 162.40 | 1624000.00 | INR Sixteen Lakh Twenty Four Thousand Only |
| 11.00 | SITC of Cutting back up surface up to 2 Mtr. Depth by digging by Bogi including all layers of crust for laying pipe line etc. and making good to original condition (excluding cost of bitumen) | 2500.000 | Each | 288.00 | 720000.00 | INR Seven Lakh Twenty Thousand Only |
| 12.00 | SITC of microprocessor based UTCS type automatic electronic controller conforming to IS: 7537 for traffic signals complete with electronic timer, G.P.S. based control board, blinker unit for night operation and slip lane, day time peak hours operation. The controller shall have 32 signal phases, 25 Signal Plan,24 Cycle Plan, 32 Signal Split Plan,32 Cycle switching/days,20 selective days /annum, 16 conflicting conditions, 32 signal line, solid state relay switching R.S 485 communication and 4 hurry call inter phase, manual override facility up gradable vehicle actuated system, also have method of traffic control with fixed time isolated intersection and cable less/ cabled interlinking for synchronized operation. The unit shall be totally enclosed in 2.00mm thick metal sheet box size 99 cm x 61.5 cm x 35.5 cm including making connection (C-DAC make). Complete Rate | 4.000 | Each | 120000.00 | 480000.00 | INR Four Lakh Eighty Thousand Only |
| 12.10 | Labour Rate | 3.000 | Each | 6400.00 | 19200.00 | INR Nineteen Thousand Two Hundred Only |

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**Sub: Maintenance of Traffic signals and ATCS system in Jaipur City****Contract No: EE (Elect-III)/17/2021-22**

| PRICE SCHEDULE | | | | | | |
|----------------|---|----------|-------|----------------|--------------|---|
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 13.00 | P & F 4.5 mm thick M.S. traffic post with outer dia. 114.3mm, medium class and confirming to IS:1239 (P-I) 5 Mtr. Long (0.8 Mtr. below ground level) suitable for mounting the signal head assembly with weather proof fiber cap and M.S. base plate 300 mm x 300 mm x 6 mm including excavation of pit and grouting with P.C.C. of ratio 1:3:6 from bottom of the pole and up to 30 cm. above the ground level and 40 cm dia. including painting with rubber paint below ground level and red oxide on exposed surface and finishing with traffic yellow enamel paint in two coats complete as required. Complete Rate | 60.000 | Each | 3880.00 | 232800.00 | INR Two Lakh Thirty Two Thousand Eight Hundred Only |
| 14.00 | P & F M.S. cantilever swaged pole suitable for mounting signal head assembly of overall height 9.0 Mtr. (1.5 meter. Below ground level) with M.S. base plate of size 400mm x 400mm x 7mm including excavation of pit and grouting with P.C.C. of ratio 1:3:6 from the bottom of the pole and up to 50cm above the ground level of 40 cm dia. Including painting with rubber coat below ground level and red oxide on exposed surface and finishing with two coats of traffic yellow enamel paint complete in all respect as required. The pole shall confirm following specifications as per IS: (1239 P-I) Top, middle, bottom length 1.80mtr, 3.60 Mtr., 6.0 Mtr. Respectively, outer dia. 88.9 mm, 114.3 mm, 139.7 mm respectively, thickness 4.05 mm, 4.5 mm, 4.85 mm respectively. Complete Rate | 10.000 | Each | 10800.00 | 108000.00 | INR One Lakh Eight Thousand Only |
| 15.00 | SITC of Crystal control Solar Road warning Blinker system with solar panel module with 300mm LED Module of minimum 190 Nos., Blinker Units, Charging circuit, suitable SMF Rechargeable Battery (12 Volt), including wiring, connections etc. complete in all respect. Complete Rate | 50.000 | Each | 10000.00 | 500000.00 | INR Five Lakh Only |
| 16.00 | S.I.T.C. of following colour retrofit LED matrices traffic light of modular size 300 mm dia. Covered with front clear acrylic sheet and back with aluminium body, InP/ InGaN based 5mm dia. coloured LEDs of ultra bright, super intensity (visible clearly at day time up to distance 300-600 meter , viewing angle of 30 degree). The unit shall be suitable for working on A.C. supply (160 - 240 V) and life cycle approx. 10 yrs with power consumption below 24 Watts , suitable for fast switching.(Makes - Binay, Keltron, Shakti, Bel or approved make). Complete Rate | | | | | |
| 16.10 | Red / Amber Round (Unit of 200-220NosLEDs) | 20.000 | Each | 3040.00 | 60800.00 | INR Sixty Thousand Eight Hundred Only |
| 16.20 | Green Arrow(Unit of 120-130NosLEDs) | 20.000 | Each | 4400.00 | 88000.00 | INR Eighty Eight Thousand Only |

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**Sub: Maintenance of Traffic signals and ATCS system in Jaipur City****Contract No: EE (Elect-III)/17/2021-22**

| Bidder Name : | | | | | | |
|-----------------------|---|-----------------|--------------|-----------------------|---------------------|--|
| PRICE SCHEDULE | | | | | | |
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 16.30 | Add extra for SITC of M.S. housing for LED matrices | 100.000 | Each | 952.00 | 95200.00 | INR Ninety Five Thousand Two Hundred Only |
| 17.00 | Refixing of standard traffic post including repair and transportation (within municipal limit) as required. Including excavation of pit and grouting with P.C.C. of ratio 1:3:6 from the bottom of pole (0.80 meter. Below ground level) and up to 30 cm above the ground level and 40 cm dia. including painting with rubber coat below ground level as required. Complete Rate | 20.000 | Each | 680.00 | 13600.00 | INR Thirteen Thousand Six Hundred Only |
| 18.00 | Refixing of cantilever traffic post including repair and transportation (within municipal limit) as required. Including excavation of pit and grouting with P.C.C. of ratio 1:3:6 from the bottom of pole (1.40 meter. Below ground level) and up to 50 cm above the ground level and 40 cm dia. including painting with rubber coat below ground level as required. Complete Rate | 20.000 | Each | 2000.00 | 40000.00 | INR Forty Thousand Only |
| 19.00 | Removing of existing damaged standard traffic post (incl. Signal head assembly) and dismantling original foundation and refilling the same with earth and transportation of pole and signal head to store (within municipal limit) as required. Complete Rate | 20.000 | Each | 280.00 | 5600.00 | INR Five Thousand Six Hundred Only |
| 20.00 | Removing of existing damaged cantilever traffic post (incl. Signal head) and dismantling original foundation and refilling the same with earth and transportation of pole and signal head to store (within municipal limit) as required. Complete Rate | 20.000 | Each | 1000.00 | 20000.00 | INR Twenty Thousand Only |
| 21.00 | Painting of existing traffic post /cantilever pole /signal head assembly/controller box including removing of old rusted surface paint and applying red oxide finishing two coats of enamel paint as required. Complete Rate | | | | | |
| 21.10 | Traffic Post | 350.000 | Each | 120.00 | 42000.00 | INR Forty Two Thousand Only |
| 21.20 | Cantilever Pole | 200.000 | Each | 360.00 | 72000.00 | INR Seventy Two Thousand Only |
| 21.30 | Controller Box | 50.000 | Each | 100.00 | 5000.00 | INR Five Thousand Only |
| 21.40 | Signal head assembly 300 mm dia. | 1000.000 | Each | 40.00 | 40000.00 | INR Forty Thousand Only |

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

Sub: Maintenance of Traffic signals and ATCS system in Jaipur City

Contract No: EE (Elect-III)/17/2021-22

| PRICE SCHEDULE | | | | | | |
|-------------------------------|---|----------------------|---------------|----------------|--------------------|---|
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT | TOTAL AMOUNT In Words |
| 22.00 | SITC of WitraC 32Bit Microcontroller based Solar Power/PWM Automatic Electronic controller, conforming to IEC-60068(ERTL) for Traffic Signals complete with electronic timer, G.P.S. based control board, blinker unit for night operation and slip lane, day time peak hours operation, The controller shall have 32 signal phase, signal switching and feedback on wireless medium, 24 cycle plan, 32 signal split plan, 24 cycle switching/days, 20 selective days/annum, 4-week plan, 16 optically isolated solid state lamp driving outputs, 16 optically isolated vehicle detector, 20 × 4 LED backlit LCD and 5 × 4 keypad 8 Auxiliary I/O interface, USB, CAN, R.S. 232 communication and 4 hurry call inter phase, manual override facility up gradable vehicle actuated system, also have method of traffic control with fixed time isolated intersection and cable less/cabled interlinking for synchronized operation, including additional features such as (a) facility to enter traffic volume, (b) Provision for 3 to 5 second Red/Green flash before starting of stage, (c) Red light violation data from all the approaches and (d) Using External Ethernet adapter to USB for using 3G dongle router for Networking and making connections. (Technology developed by CDAC , Make CDAC, Shakti, Keltron) | | | | | |
| 22.10 | Master controller (Size L-607 × W-298 × D-176mm.) 12V DC ±10% 3.6W | 3.000 | Each | 108583.00 | 325749.00 | INR Three Lakh Twenty Five Thousand Seven Hundred & Forty Nine Only |
| 22.20 | Slave controller (L-400 × W-298 × D-176 MM) 12V DC ± 10% 3.0W | 9.000 | Each | 63236.00 | 569124.00 | INR Five Lakh Sixty Nine Thousand One Hundred & Twenty Four Only |
| Total in Figures | | | | | 33775273.00 | INR Three Crore Thirty Seven Lakh Seventy Five Thousand Two Hundred & Seventy Three Only |
| Quoted Rate in Figures | | | Select | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | |