

JAIPUR DEVELOPMENT AUTHORITY

Room No. _____, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004

Telephone: +91-141-2569696 e.mail : xxxxxxxx@jaipurjda.org

JDA/XEN/Elect-I/2015-16/D-

Dated:

NOTICE INVITING BID

NIB No. : 8-2/2015-16

Name & Address of the Procuring Entity	➤ Name: Executive Engineer (Elect-I), Jaipur Development Authority ➤ Address: Room No. B-1, CCC Building, 1st Floor, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004 (Rajasthan) ➤ Email: ee.electric1@jaipurjda.org
Subject Matter of Procurement	➤ Annual electrical repair and maintenance of staff quarters at Lalkothi, Malviya Nagar, Sethi Colony & Nehru place Bhawan, AC Market, JDA, Jaipur
Bid Procedure	Single Bid eBid procedure at http://eproc.rajasthan.gov.in
Bid Evaluation Criteria (Selection Method)	➤ (eg. Least Cost Based Selection (LCBS)-L1)
Websites for downloading Bidding Document, Corrigendum's, Addendums, etc.	➤ Websites: www.sppp.rajasthan.gov.in , www.eproc.rajasthan.gov.in , www.jaipurjda.org
Website for online Bid application and payment *	➤ Website: www.jaipurjda.org ➤ For participating in the Bid, the Bidder has to apply for this Bid and pay the Bidding Document Fee, RISL Processing Fee and Bid Security Deposit, online only. ○ Bidding document fee: Rs. 250.00 Rupees (One thousand only) ○ RISL Processing Fee: Rs. 1000 (Rupees One Thousand only) ○ Requisite Bid Security Deposit -
Estimated Procurement Cost	➤ INR 1387000.00 (Rupees Thirteen lacs eighty seven thousand only)
Time period	➤ 12 Months
Bid Security Deposit	➤ Amount (INR) : 2% of Estimated Procurement Cost, 0.5% of S.S.I. of Rajasthan, 0.5% for Bidder registered as contractor in JDA, 1% for Sick Industries, other than S.S.I., whose cases are pending with Board of Industrial & Financial Reconstruction
Pre-Bid	➤ Date / Time : dd/mm/yyyy at hh:mm AM ➤ Place : _____, JLN Marg, Jaipur-302014 (Rajasthan) ➤ Last date of submitting clarifications requests by the bidder ➤ addressed to the procurement entity at Room No.B-1, CCC, Ram Kishore Vyas Bhavan, Indira C ➤ ircle, Jawahar Lal Nehru Marg, Jaipur – 302 004 (Rajasthan). ➤ Response to clarifications by procuring entity : dd/mm/yyyy
Start/ End Date for Bid Applying, Online Payment and Bid Submission	➤ Start Date: 21.07.2015 at 09.00 AM onwards ➤ End Date: 04.08.15 at 06:00 PM
**Date/ Time/ Place of Technical Bid Opening	➤ N/A
Date/ Time/ Place of Financial Bid Opening	➤ 7.08.15 at 03:30 PM ➤ Room No. CCC TF-309, Illrd Floor, CCC building, Ram Kishore Vyas Bhavan, Indira Circle, Jawahar Lal Nehru Marg, Jaipur – 302 004 (Rajasthan)
Bid Validity	➤ 120 days from the bid submission deadline

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

** There should be a gap of 3 working days **BETWEEN** End Date for Bid Applying, Online

Payment & Bid Submission AND Bid opening date.

Note:

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

Executive Engineer (Elect-I)
JDA, Jaipur

Process for Participation & Depositing Payment Online

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

To participate in the bid, bidder has to be:

1. Registered on JDA website www.jaipurjda.org (by depositing Rs. 500.00 online, the validity of which remains 3 (three) years).
For participating in the Bid, the Bidder has to apply for this Bid and pay the Bid Document Fee, RISL Processing Fee and Bid Security Deposit, online only.
2. Registered on e-Procurement Portal of Government of Rajasthan www.eproc.rajasthan.gov.in for online e-Bid submission.

Methods for depositing on line amount

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

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

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

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

Template of Online Receipt as part of NIB Document

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 : XXXXXXXXXXXXX
Bid Title : Testing	
Bid Value : 300000	Bid Opening Place : Manthan Hall, Jaipur Development Authority

Bidder Detail

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

Dates Detail

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

Specific Instrument Detail for eProc Rajasthan

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

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 2013 BSR PWD RAJASTHAN JAIPUR/JDA APPROVED.

SCHEDULE 'H': SPECIAL CONDITION ATTACHED SEPARATELY.

SCHEDULE 'I': LIST OF 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.-I)
JDA, Jaipur.

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 be 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 epscial conditions and provisions of **THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013** provision of **THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules 2013** shall be applicable.
27. "If any bidder quotes a rate below than the Schedule "G" rates, i.e. rates below than at par, then the bidder has to deposit the difference amount i.e.amount between the rates as per at par and below, as work performance guarantee. This amount has to be deposited before the commencement of work and will be refunded after successful completion of work. Lowest bidder will be issued LOA (Letter of Acceptance) and within 7 days period he has to deposit difference amount in the form of BG/FDR/NSC. The validity of these shall be for a period three months beyond the stipulated date of completion/ actual date of completion. In case of non deposition of the same in specified period the 2% Bid security will be forfeited. In case work is not completed satisfactorily. The work performance security will be forfeited along with Bid security."

SIGNATURE OF CONTRACTOR
WITH FULL ADDRESS:

EXECUTIVE ENGINEER Elect.-I,
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. The Contractor has to arrange for the permission for the charging of electrical system from the Electrical Inspector Govt. of Rajasthan. He will have to deposit the necessary fees, which shall be reimbursed by Jaipur Development Authority.
2. The contractor 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.
3. The final bill shall be paid after the lines and substations are handed over to RSEB/JVVNL and system is charged.
4. Inspection shall be bear by the contractor it self.
5. The material shall be purchased from the firms, which are also supplying the material to RSEB/JVVNL.
6. All HT/LT cables should be sequentially marked with cable size & length duly embossed.
7. 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.
8. **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.**
9. It is a mandatory condition that contractor will get all insulated material tested from CTL of JVVNL before using it at site.
10. The successful bidder will depute one permanent skilled person for attending the complaints on all days including weekly holidays from 8AM to 8 PM. Attendance register shall also be maintained.

Executive Engineer (Elect-1)
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 Street light work in the multi level parking at JDA Campus mentioned in the Schedule 'H'.
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 retardates caution signs during the execution of work at his own cost in order in to avoid any miss 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 bid 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 standards 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 side clear shall be done within 24 hours.
9. The work shall be carried out strictly Dom plying within Indian Electricity Rules in force and as per specifications for Electrical and lift work issued by PWD Raj., Jaipur 1980 or any other IS code for this work.
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 cables shall be at least 20 Cm.
 - (b) **Depth**

- (i) Where cable core laid in single tier formation in the total depth of shall not be less than 75 cm for cable up to 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 increase 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 any band or curve radius of such trench shall be at least 12 time the over all diameter 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 river sand or any other type of soil as directed by Engineer-in-Charge is 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 be made with PVC insulated copper conductor with copper lugs dully crimped. The internal wiring shall be arranged with clips the bus bars and connection shall consists of drawn high conductivity copper strip with PVC 3 leaves tops of phase colours.

14. SUBMISSION OF DRAWING BY THE CONTRACTOR

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

- (i) Main Panel Drawing : The contractor shall submit the drawing of 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 roots 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 result 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 from schedule of quantities will be entertained.
 19. Conditions given in the bid from 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 non-payment 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 bids.
 23. In case of any dispute the Executive Engineer (Elect-I) 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 bids.
 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. Bids must be submitted on the prescribed forms duly signed by the bids 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.If any rates are not quoted, bid will be rejected.
 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 or by a sub contractor for execution to said work Govt. will recover from the contractor the amount of the compensation paid and without prejudice to the rights of Govt. under section 12 sub section (2) of the said Act, Govt. shall be at liberty to recover such amount or any part there of 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 other wise.
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 PWD BSR 2013 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
WITH FULL ADDRESS:**

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

Note :

1. किसी भी निविदा को बिना कारण बताए निरस्त किया जा सकता है।
2. आवेदक / संवेदक को निविदा प्राप्त करने के लिए 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 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 ACE/DE-I, 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

1. 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) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.

(ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the

Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.

(iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

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

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, 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.

Tender Inviting Authority: Jaipur Development Authority, Jaipur						
Name of Work: Annual electrical repair and maintenance of staff quarters at lalkothi, malviya Nagar, Sethi Colony & Nehru place Bhawan, AC Market, JDA, Jaipur						
Contract No: NIB No-EE-Elect-I/08(2)/2015-16						
Bidder Name:		Less (-)		%		
SCHEDULE OF WORKS						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1.00	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, round tiles,18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
1.10	Short point (up to 3 mtr.)	80.00	P.Point	194.00	Rupees One Hundred & Ninety Four Only	15520.00
1.20	Medium point (up to 6 mtr.)	80.00	P.Point	293.00	Rupees Two Hundred & Ninety Three Only	23440.00
1.30	Long point (up to 10 mtr..)	80.00	P.Point	415.00	Rupees Four Hundred & Fifteen Only	33200.00
2.00	Wiring of twin control light / fan / call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, round tles,18 SWG M.S. box with earth terminal, 6 A two way switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					

2.10	Short point (up to 3 mtr.)	15.00	P.Point	197.00	Rupees One Hundred & Ninety Seven Only	2955.00
2.20	Medium point (up to 6 mtr.)	15.00	P.Point	297.00	Rupees Two Hundred & Ninety Seven Only	4455.00
2.30	Long point (up to 10 mtr..)	15.00	P.Point	417.00	Rupees Four Hundred & Seventeen Only	6255.00
3.00	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, 18 SWG 175 mm x 100 mm x 60 mm M.S. box with earth terminal, 6 A switch, 6 A socket, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
3.10	On board	15.00	P.Point	91.00	Rupees Ninety One Only	1365.00
3.20	Short point (up to 3 mtr.)	15.00	P.Point	232.00	Rupees Two Hundred & Thirty Two Only	3480.00
3.30	Medium point (up to 6 mtr.)	15.00	P.Point	326.00	Rupees Three Hundred & Twenty Six Only	4890.00
3.40	Long point (up to 10 mtr..)	15.00	P.Point	442.00	Rupees Four Hundred & Forty Two Only	6630.00
4.00	S&F following sizes of ISI marked (IS:14927 P - II) PVC casing capping along with accessories like coupler, inner, outer, elbow, square box, tee etc. on surface with screws, expansion fasteners as required.					
4.10	20 mm x 12 mm	200.00	R.Mtr	24.00	Rupees Twenty Four Only	4800.00
4.20	25 mm x 12 mm	200.00	R.Mtr	28.00	Rupees Twenty Eight Only	5600.00
4.30	32 mm x 12 mm	150.00	R.Mtr	34.00	Rupees Thirty Four Only	5100.00

4.40	38 mm x 18.5mm	25.00	R.Mtr	50.00	Rupees Fifty Only	1250.00
4.50	50 mm x 20mm	25.00	R.Mtr	74.00	Rupees Seventy Four Only	1850.00
4.60	50 mm x 50mm	25.00	R.Mtr	135.00	Rupees One Hundred & Thirty Five Only	3375.00
5.00	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make on surface ISI marked (IS:14927 P - II) PVC casing capping & it's accessories, round tiles, Moulded PVC Modular Box with , 6 A Modular switch,Modular plate with grid plate, screws, making connections, testing etc. as required.					
5.10	Short point (up to 3 mtr.)	15.00	P.Point	240.00	Rupees Two Hundred & Forty Only	3600.00
5.20	Medium point (up to 6 mtr.)	15.00	P.Point	332.00	Rupees Three Hundred & Thirty Two Only	4980.00
5.30	Long point (up to 10 mtr..)	15.00	P.Point	452.00	Rupees Four Hundred & Fifty Two Only	6780.00
6.00	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tiles,18 SWG M.S. box with earth terminal, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
6.10	Short point (up to 3 mtr.)	10.00	P.Point	215.00	Rupees Two Hundred & Fifteen Only	2150.00
6.20	Medium point (up to 6 mtr.)	10.00	P.Point	338.00	Rupees Three Hundred & Thirty Eight Only	3380.00

6.30	Long point (up to 10 mtr..)	10.00	P.Point	474.00	Rupees Four Hundred & Seventy Four Only	4740.00
7.00	Wiring of twin control light / fan / call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tles,18 SWG M.S. box with earth terminal, 6 A two way switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
7.10	Short point (up to 3 mtr.)	10.00	P.Point	219.00	Rupees Two Hundred & Nineteen Only	2190.00
7.20	Medium point (up to 6 mtr.)	10.00	P.Point	340.00	Rupees Three Hundred & Forty Only	3400.00
7.30	Long point (up to 10 mtr..)	10.00	P.Point	475.00	Rupees Four Hundred & Seventy Five Only	4750.00
8.00	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required.					
8.10	20 mm	10.00	R.Mtr	32.00	Rupees Thirty Two Only	320.00
8.20	25 mm	10.00	R.Mtr	42.00	Rupees Forty Two Only	420.00
8.30	32 mm	10.00	R.Mtr	65.00	Rupees Sixty Five Only	650.00
8.40	40 mm	10.00	R.Mtr	81.00	Rupees Eighty One Only	810.00
8.50	50 mm	10.00	R.Mtr	107.00	Rupees One Hundred & Seven Only	1070.00

9.00	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles, Hot Dipped Galvanized Modular Box with earth terminal, 6 A Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required.					
9.10	Short point (up to 3 mtr.)	10.00	P.Point	260.00	Rupees Two Hundred & Sixty Only	2600.00
9.20	Medium point (up to 6 mtr.)	10.00	P.Point	377.00	Rupees Three Hundred & Seventy Seven Only	3770.00
9.30	Long point (up to 10 mtr..)	10.00	P.Point	508.00	Rupees Five Hundred & Eight Only	5080.00
10.00	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.					
10.10	1 x 1.5 sq.mm	1000.00	mtr	14.00	Rupees Fourteen Only	14000.00
10.20	2 x 1.5 sq.mm	800.00	mtr	26.00	Rupees Twenty Six Only	20800.00
10.30	1 x 2.5 sq.mm	500.00	mtr	21.00	Rupees Twenty One Only	10500.00
10.40	2 x 2.5 sq.mm	400.00	mtr	41.00	Rupees Forty One Only	16400.00
10.50	1 x 4.0 sq.mm	200.00	mtr	30.00	Rupees Thirty Only	6000.00
10.60	1 x 6.0 sq.mm	300.00	mtr	46.00	Rupees Forty Six Only	13800.00
10.70	1 x 10.0 sq.mm	100.00	mtr	78.00	Rupees Seventy Eight Only	7800.00
11.00	Wiring for sub mains ISI marked (IS:694) 1100 Volts grade PVC insulated flat twin core sheathed solid aluminium conductor with 10 SWG G.I. Support wire duly clipped etc. as required.					
11.10	10.0 sq.mm	100.00	mtr	56.00	Rupees Fifty Six Only	5600.00

12.00	Supplying and fixing of power plug point accessories on 18 SWG metal box of size 175 x 100 x 60 mm. on surface or in recessed with suitable size phenolic laminated sheet cover including cost of 6 pin 16 amp. Switch and socket outlet , making connection , testing , etc. as required.	35.00	Each	235.00	Rupees Two Hundred & Thirty Five Only	8225.00
13.00	P & F 18 SWG Sheet steel boxes duly finished with two coats of red oxide and with earthing terminal of following sizes (nominal size) on surface or in recessed as required.					
13.01	75mm x 75mm x 60mm	5.00	Each	33.00	Rupees Thirty Three Only	165.00
13.02	100mm x 100mm x 60mm	5.00	Each	45.00	Rupees Forty Five Only	225.00
13.03	150mm x 75mm x 60mm	5.00	Each	51.00	Rupees Fifty One Only	255.00
13.04	175mm x 100mm x 60mm	5.00	Each	57.00	Rupees Fifty Seven Only	285.00
13.05	150mm x 150mm x 60mm	5.00	Each	62.00	Rupees Sixty Two Only	310.00
13.06	225mm x 100mm x 60mm	5.00	Each	62.00	Rupees Sixty Two Only	310.00
13.07	200mm x 150mm x 60mm	5.00	Each	77.00	Rupees Seventy Seven Only	385.00
13.08	200mm x 125mm x 75mm	5.00	Each	88.00	Rupees Eighty Eight Only	440.00
13.09	200mm x 250mm x 75mm	5.00	Each	101.00	Rupees One Hundred & One Only	505.00
13.10	200mm x 250mm x 100mm	5.00	Each	117.00	Rupees One Hundred & Seventeen Only	585.00
13.11	250mm x 300mm x 75mm	5.00	Each	141.00	Rupees One Hundred & Forty One Only	705.00
14.00	P & F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and enamel paint including cutting, welding, holes etc.of following sizes as required.					
14.10	40mm x 40mm x 5mm	5.00	mtr	209.00	Rupees Two Hundred & Nine Only	1045.00

14.20	50mm x 50mm x 6mm	5.00	mtr	313.00	Rupees Three Hundred & Thirteen Only	1565.00
15.00	P & Fixing M.S. sheet on existing angle iron frame by means of nuts and bolts and making required no. of holes for fixing accessories including two coat of red oxide paint and two coats of enamel paint etc. as required.					
15.10	2.0 mm thick	5.00	sqm	1036.00	Rupees One Thousand & Thirty Six Only	5180.00
15.20	3.0 mm thick	5.00	sqm	1553.00	Rupees One Thousand Five Hundred & Fifty Three Only	7765.00
16.00	P & F paper phenolic resin bonded laminates confirming to IS : 2036 - 1995 for boxes/ frames including making holes for switches etc, with brass screws, washers/ zinc plated nut and bolts as required.					
16.10	6.4 mm thick	5.00	sqm	891.00	Rupees Eight Hundred & Ninety One Only	4455.00
17.00	P & F surface/recessed type 10 mm thick Teak wood board duly antitermite treated, varnished and fixed by using gutties/ PVC fasteners of following size as required.					
17.10	150 mm x 75 mm	3.00	Each	14.00	Rupees Fourteen Only	42.00
17.20	100 mm x 100 mm	3.00	Each	14.00	Rupees Fourteen Only	42.00
17.30	100 mm x 175 mm	3.00	Each	17.00	Rupees Seventeen Only	51.00
17.40	200 mm x 250 mm	3.00	Each	30.00	Rupees Thirty Only	90.00
17.50	250 mm x 300 mm	3.00	Each	36.00	Rupees Thirty Six Only	108.00
17.60	300 mm x 375 mm	3.00	Each	56.00	Rupees Fifty Six Only	168.00
17.70	375 mm x 450 mm	3.00	Each	62.00	Rupees Sixty Two	186.00

					Only	
17.80	450 mm x 600 mm	3.00	Each	87.00	Rupees Eighty Seven Only	261.00
18.00	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections, testing etc. as required.					
18.10	Single pole MCB 0.5 A to 5 A rating	50.00	Each	206.00	Rupees Two Hundred & Six Only	10300.00
18.20	Double pole MCB 6 A to 32 A rating	50.00	Each	401.00	Rupees Four Hundred & One Only	20050.00
18.30	Single pole & neutral MCB 6 A to 32 A rating	10.00	Each	401.00	Rupees Four Hundred & One Only	4010.00
18.40	Triple pole & neutral MCB 6 A to 32 A rating	10.00	Each	918.00	Rupees Nine Hundred & Eighteen Only	9180.00
18.50	Four pole MCB 6 A to 32 A rating	10.00	Each	918.00	Rupees Nine Hundred & Eighteen Only	9180.00
19.00	P&F 240/415 V isolator conforming to IS:13947-III/ IEC 60947-3 on existing board / sheet including making connections, testing etc. as required.					
19.10	Double pole isolator 30 A / 40 A rating	10.00	Each	298.00	Rupees Two Hundred & Ninety Eight Only	2980.00
19.20	Triple pole Isolator 30 A / 40 A rating	10.00	Each	458.00	Rupees Four Hundred & Fifty Eight Only	4580.00
19.30	Four pole Isolator 30 A / 40 A rating	10.00	Each	544.00	Rupees Five Hundred & Forty Four Only	5440.00

20.00	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with suitable rating insulated copper bus bar, shorting link , neutral link, earth link and din bar,masking sheet, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.					
20.10	Single door (single phase) 8 Way	2.00	Each	555.00	Rupees Five Hundred & Fifty Five Only	1110.00
20.20	Single door (Three phase) 8 Way	2.00	Each	2063.00	Rupees Two Thousand & Sixty Three Only	4126.00
20.30	Single door (Three phase) 12 Way	2.00	Each	2885.00	Rupees Two Thousand Eight Hundred & Eighty Five Only	5770.00
20.40	Double door (single phase) 12 Way	2.00	Each	1065.00	Rupees One Thousand & Sixty Five Only	2130.00
21.00	P&F flush/surface type enclosure for housing MCB/Isolator with Din rail including making connections with lugs, repairs etc. as required.					
21.10	With sheet steel enclosure Three way	1.00	Each	305.00	Rupees Three Hundred & Five Only	305.00
21.20	With plastic enclosure Three way	1.00	Each	150.00	Rupees One Hundred & Fifty Only	150.00
21.30	With plastic enclosure Four way	1.00	Each	160.00	Rupees One Hundred & Sixty Only	160.00
22.00	P&F metal clad industrial plug top & socket unit with pin and sleeve type contact on porcelain/ bakelite base in sheet steel enclosure (without MCB) including making connections, testing etc.as required					
22.10	Single / Double Pole (Three pin) 10 A	1.00	Each	685.00	Rupees Six Hundred & Eighty Five Only	685.00

22.20	Three / Four pole (Five pin) 20 A	1.00	Each	1515.00	Rupees One Thousand Five Hundred & Fifteen Only	1515.00
22.30	Three / Four pole (Five pin) 30A-32A	1.00	Each	1782.00	Rupees One Thousand Seven Hundred & Eighty Two Only	1782.00
23.00	P&F recessed/ surface mounting heavy duty Vertical type 16 SWG sheet steel Distribution board with provision of incomer suitable for MCCB and SP / TP MCB as outgoing , phophatised ,powder painted complete with insulated suitable rating copper bus bar , neutral link, earth link and din bar, masking sheet & conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required.					
23.10	Single door with Provision of Incomer MCCB 100/ 125 A Rating 4 Way	1.00	Each	3940.00	Rupees Three Thousand Nine Hundred & Forty Only	3940.00
23.20	Single door with Provision of incomer MCCB 200/ 250 A Rating 4 Way	1.00	Each	7251.00	Rupees Seven Thousand Two Hundred & Fifty One Only	7251.00
24.00	P & F ISI marked (IS :3854) 6 amp. porcelain base single pole tumbler switch including making connection testing etc. as required.	10.00	Each	29.00	Rupees Twenty Nine Only	290.00
25.00	P & F ISI marked (IS :3854) 16 amp. porcelain base single pole tumbler switch including making connection testing etc. as required.	2.00	Each	58.00	Rupees Fifty Eight Only	116.00
26.00	P & F ISI marked (IS :3854) 6 amp. flush type switch including cutting hole in tile and making connection testing etc. as required.	70.00	Each	19.00	Rupees Nineteen Only	1330.00
27.00	P & F ISI marked (IS :3854) 16 amp. flush type switch including cutting hole in tile and making connection testing etc. as required.	70.00	Each	47.00	Rupees Forty Seven Only	3290.00
28.00	P & F ISI marked (IS :3854) bell push surface type including making connection testing etc. as required.	70.00	Each	20.00	Rupees Twenty Only	1400.00

29.00	P & F ISI marked (IS :3854) twin control switch surface type including making connection testing etc. as required.	70.00	Each	33.00	Rupees Thirty Three Only	2310.00
30.00	P & F ISI marked (IS :3854) bell push flush type including cutting hole in tile and making connection testing etc. as required.	70.00	Each	20.00	Rupees Twenty Only	1400.00
31.00	P & F ISI marked (IS :3854) 6A twin control switch flush type including cutting hole in tile and making connection testing etc. as required.	70.00	Each	21.00	Rupees Twenty One Only	1470.00
32.00	P & F ISI marked hanging bell push/one way switch including making connection testing etc. as required.	2.00	Each	22.00	Rupees Twenty Two Only	44.00
33.00	P & F ISI marked (IS :1293) 3 pin 6 amp. porcelain base tumbler socket including making connection testing etc. as required.	2.00	Each	27.00	Rupees Twenty Seven Only	54.00
34.00	P & F ISI marked (IS :1293) 6 pin 16 amp. porcelain base tumbler socket including making connection testing etc. as required.	2.00	Each	55.00	Rupees Fifty Five Only	110.00
35.00	P & F of 3 pin 6 amp. flush type socket including cutting hole in tile and making connection testing etc. as required.	2.00	Each	20.00	Rupees Twenty Only	40.00
36.00	P & F 3/6 pin 16 amp flush type socket including cutting hole in tile and making connection testing etc. as required.	20.00	Each	52.00	Rupees Fifty Two Only	1040.00
37.00	P & F IS:371 marked 6 amp surface type ceiling rose including making connection testing etc. as required.	20.00	Each	18.00	Rupees Eighteen Only	360.00
38.00	P & F ISI marked 6 amp bakelite batten/angle holder including making connection testing etc. as required.	2.00	Each	20.00	Rupees Twenty Only	40.00
39.00	P & F ISI marked 6 amp bakelite unbreakable 3 pin plug top including making connection testing etc. as required.	2.00	Each	30.00	Rupees Thirty Only	60.00
40.00	P & F ISI marked 16 amp bakelite unbreakable 3 pin plug top including making connection testing etc. as required.	2.00	Each	45.00	Rupees Forty Five Only	90.00

41.00	P & F ISI marked flush type 2 pin telephone socket with plug top including making connection testing etc. as required.	2.00	Each	40.00	Rupees Forty Only	80.00
42.00	P & F ISI marked flush type single line telephone jack including making connection testing etc. as required.	2.00	Each	53.00	Rupees Fifty Three Only	106.00
43.00	P & F ISI marked flush type double line telephone jack including making connection testing etc. as required.	2.00	Each	60.00	Rupees Sixty Only	120.00
44.00	P & F ISI marked flush type coaxial T.V. socket including making connection testing etc. as required.	22.00	Each	22.00	Rupees Twenty Two Only	484.00
45.00	P & F socket size flush type 120/280 watt rotary 5 step fan regulator including making connection testing etc. as required.	22.00	Each	210.00	Rupees Two Hundred & Ten Only	4620.00
46.00	P & F ISI marked 32 A D.P. switch with fuse and indicating lamp including making connection testing etc. as required.	2.00	Each	95.00	Rupees Ninety Five Only	190.00
47.00	P & F ISI marked gong bell including making connection testing etc. as required.	2.00	Each	60.00	Rupees Sixty Only	120.00
48.00	P & F ISI marked flush/surface type buzzer including making connection testing etc. as required.	25.00	Each	50.00	Rupees Fifty Only	1250.00
49.00	P & F ISI marked single tone electronic call bell including making connection testing etc. as required.	1.00	Each	225.00	Rupees Two Hundred & Twenty Five Only	225.00
50.00	P & F ISI marked ding dong/musical chime bell including making connection testing etc. as required.	25.00	Each	115.00	Rupees One Hundred & Fifteen Only	2875.00
51.00	P & F office one module call bell system comprising of indicator, push to reset switch housed in pvc/metallic sheet including making connection testing etc. as required.	1.00	Each	95.00	Rupees Ninety Five Only	95.00
52.00	P & F 400 watt switch type dimmer including making connection testing etc. as required.	10.00	Each	165.00	Rupees One Hundred & Sixty Five Only	1650.00

53.00	P & F 400 watt metallic flush/surface type dimmer including making connection testing etc. as required.	10.00	Each	225.00	Rupees Two Hundred & Twenty Five Only	2250.00
54.00	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with silver contacts including making connections testing etc. as required					
54.01	6 A one way switch	10.00	Each	92.00	Rupees Ninety Two Only	920.00
54.02	6 A two way switch	10.00	Each	109.00	Rupees One Hundred & Nine Only	1090.00
54.03	6 A bell push	10.00	Each	120.00	Rupees One Hundred & Twenty Only	1200.00
54.04	16 A one way switch	10.00	Each	138.00	Rupees One Hundred & Thirty Eight Only	1380.00
54.05	6 A 3 pin shuttered socket	10.00	Each	120.00	Rupees One Hundred & Twenty Only	1200.00
54.06	16 A 6 pin shuttered socket	10.00	Each	189.00	Rupees One Hundred & Eighty Nine Only	1890.00
54.07	13 A flat pin English socket	10.00	Each	201.00	Rupees Two Hundred & One Only	2010.00
54.08	2 pin Telephone socket	10.00	Each	138.00	Rupees One Hundred & Thirty Eight Only	1380.00
54.09	RJ-11 telephone jack single two line	10.00	Each	86.00	Rupees Eighty Six Only	860.00
54.10	RJ-11 telephone jack double two line	10.00	Each	143.00	Rupees One Hundred & Forty Three Only	1430.00

54.11	RJ-45 computer jack with shutter	10.00	Each	149.00	Rupees One Hundred & Forty Nine Only	1490.00
55.00	P & F following size mounting grid plates with cover plates					
55.10	1/2 Module	10.00	Each	69.00	Rupees Sixty Nine Only	690.00
55.20	3 Module	10.00	Each	74.00	Rupees Seventy Four Only	740.00
55.30	4 Module	10.00	Each	80.00	Rupees Eighty Only	800.00
55.40	5/6 Module	10.00	Each	109.00	Rupees One Hundred & Nine Only	1090.00
55.50	8 Module	10.00	Each	161.00	Rupees One Hundred & Sixty One Only	1610.00
55.60	10/ 12 Module	10.00	Each	200.00	Rupees Two Hundred Only	2000.00
55.70	16/ 18 Module	10.00	Each	258.00	Rupees Two Hundred & Fifty Eight Only	2580.00
56.00	P & F following size hot dip galvanized M.S. box of 20 SWG with earthing terminal in recess/ surface suitable for modular accessories as required.					
56.10	1-2 Module	5.00	Each	40.00	Rupees Forty Only	200.00
56.20	3 Module	5.00	Each	47.00	Rupees Forty Seven Only	235.00

56.30	4 Module	5.00	Each	54.00	Rupees Fifty Four Only	270.00
56.40	5-6 Module	5.00	Each	82.00	Rupees Eighty Two Only	410.00
56.50	8 Module	5.00	Each	95.00	Rupees Ninety Five Only	475.00
56.60	10/ 12 Module	5.00	Each	130.00	Rupees One Hundred & Thirty Only	650.00
56.70	16/ 18 Module	5.00	Each	158.00	Rupees One Hundred & Fifty Eight Only	790.00
57.00	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly treated for derusting in 7 tank process with dephosphating and with powder coating on both side of panel in desired shade The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with / without detachable extension type structure. (only outer area on all sides shall be measured & panel to be fabricated from CPRI approved fabricator)	5.00	sqm	2752.00	Rupees Two Thousand Seven Hundred & Fifty Two Only	13760.00
58.00	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves.					
58.10	Electrolytic grade Aluminium bus bar	5.00	Kg	420.00	Rupees Four Hundred & Twenty Only	2100.00
59.00	SF of (0-500) V range Volt meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.					

59.10	Digital type	5.00	Each	1100.00	Rupees One Thousand One Hundred Only	5500.00
60.00	SF of CT operated direct reading type Ampere meter on existing panel , making connection by PVC insulated copper conductor with PVC sleeves / channel etc. as required.					
60.10	Analog type (96 mm x 96 mm) Below 500 A	2.00	Each	375.00	Rupees Three Hundred & Seventy Five Only	750.00
60.20	Digital type Below 500 A	2.00	Each	1100.00	Rupees One Thousand One Hundred Only	2200.00
61.00	P & F of ac operated heavy duty 230 /440 Volt power contactor conforming to IS:13947-4-1/IEC:947-4-1 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, testing etc. as required. 4 pole Power contactors with following AC 1 Rating					
61.10	63 Amp	2.00	Each	3536.00	Rupees Three Thousand Five Hundred & Thirty Six Only	7072.00
61.20	100 Amp	2.00	Each	5744.00	Rupees Five Thousand Seven Hundred & Forty Four Only	11488.00
62.00	P&F of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming etc. as required					
62.10	One day & week reserve (mechanical type)	2.00	Each	3332.00	Rupees Three Thousand Three Hundred & Thirty Two Only	6664.00
62.20	One day & week reserve (digital type)	2.00	Each	5746.00	Rupees Five Thousand Seven Hundred & Forty Six Only	11492.00

63.00	P&F 240 V Sheet steel powder coated rewire able porcelain switch fuse unit conforming to IS:13947 P-I&III including making connections with lugs, testing etc. as required.					
63.10	Single pole & neutral 16 A / 240 V	2.00	Each	354.00	Rupees Three Hundred & Fifty Four Only	708.00
63.20	Single pole & neutral 32 A / 240 V	2.00	Each	840.00	Rupees Eight Hundred & Forty Only	1680.00
63.30	Single pole & neutral 32 A / 415 V	2.00	Each	1187.00	Rupees One Thousand One Hundred & Eighty Seven Only	2374.00
63.40	Single pole & neutral 63 A / 415 V	2.00	Each	2044.00	Rupees Two Thousand & Forty Four Only	4088.00
63.50	Double pole 16 A / 240 V	1.00	Each	368.00	Rupees Three Hundred & Sixty Eight Only	368.00
63.60	Double pole 32 A / 240 V	1.00	Each	907.00	Rupees Nine Hundred & Seven Only	907.00
63.70	Double pole 32 A / 415 V	1.00	Each	1337.00	Rupees One Thousand Three Hundred & Thirty Seven Only	1337.00
63.80	Double pole 63 A / 415 V	1.00	Each	2356.00	Rupees Two Thousand Three Hundred & Fifty Six Only	2356.00
64.00	P&F TP&N 415 V sheet steel powder coated HBC cum rewire able switch fuse unit with porcelain kit-kat (w/o HBC) & neutral link and conforming to IS:13947 P-I&III and making connections with lugs testing etc. as required.					
64.10	16 A rating	1.00	Each	1050.00	Rupees One Thousand & Fifty Only	1050.00

64.20	32 A rating	1.00	Each	1327.00	Rupees One Thousand Three Hundred & Twenty Seven Only	1327.00
64.30	63 A rating	1.00	Each	2968.00	Rupees Two Thousand Nine Hundred & Sixty Eight Only	2968.00
64.40	100 A rating	1.00	Each	5432.00	Rupees Five Thousand Four Hundred & Thirty Two Only	5432.00
65.00	P&F TP&N 415 V side handle operated double break fuse switch unit in sheet steel enclosure conforming to IS: 13947 P-III and IS:4064 (W/O HBC fuses) including making connections with suitable lugs, testing etc. as required.					
65.10	63 A rating	1.00	Each	4288.00	Rupees Four Thousand Two Hundred & Eighty Eight Only	4288.00
66.00	P&F TP&N 415 V AC-23A front handle operated switch disconnecter fuse unit, cubical type, without metallic enclosure, conforming to IS:13947 P-III in existing panel (W/O HBC fuses) including making connections with lugs, testing etc as required.					
66.10	32 A rating	1.00	Each	1253.00	Rupees One Thousand Two Hundred & Fifty Three Only	1253.00
67.00	P&F 240/415 V porcelain kitkat fuse (/HBC type) conforming to IS:2086,1983 On existing board/ sheet including making connections with lugs, testing etc. as required					
67.10	320 A , 415 V	2.00	Each	1197.00	Rupees One Thousand One Hundred & Ninety Seven Only	2394.00
68.00	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					

68.10	10.0 Sq.mm 2 core	250.0 0	mtr	137.00	Rupees One Hundred & Thirty Seven Only	34250.00
68.20	16.0 Sq.mm 4 core	200.0 0	mtr	178.00	Rupees One Hundred & Seventy Eight Only	35600.00
68.30	35.0 Sq.mm 3.5 core	100.0 0	mtr	252.00	Rupees Two Hundred & Fifty Two Only	25200.00
68.40	50.0 Sq.mm 3.5 core	50.00	mtr	299.00	Rupees Two Hundred & Ninety Nine Only	14950.00
68.50	185.0 Sq.mm 3.5 core	50.00	mtr	917.00	Rupees Nine Hundred & Seventeen Only	45850.00
69.00	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, heavy duty aluminium lugs duly crimped with crimping tool, PVC tape etc for following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.					
69.10	2 x 10.0 sq.mm	10.00	Per Set	55.00	Rupees Fifty Five Only	550.00
69.20	3.5 x 35.0 sq.mm	5.00	Per Set	119.00	Rupees One Hundred & Nineteen Only	595.00
69.30	3.5 x 185.0 sq.mm	5.00	Per Set	395.00	Rupees Three Hundred & Ninety Five Only	1975.00
70.00	Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance as required.	5.00	Per Set	1650.00	Rupees One Thousand Six Hundred & Fifty Only	8250.00

71.00	Plate Earthing as per IS:3043 with G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr. below the ground level with 25 mm dia. G.I. 'B' class watering Pipe including all accessories like nut, bolts, reducer ,nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size300mm x 300mm complete with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	5.00	Per Set	4250.00	Rupees Four Thousand Two Hundred & Fifty Only	21250.00
72.00	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.					
72.10	8 SWG G.I. (Hot Dipped) Wire	200.00	mtr	9.00	Rupees Nine Only	1800.00
72.20	25mm x 3mm G.I. (Hot Dipped) Strip	20.00	mtr	58.00	Rupees Fifty Eight Only	1160.00
73.00	S & Laying following size' B ' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/recess as required					
73.10	32mm dia	20.00	mtr	234.00	Rupees Two Hundred & Thirty Four Only	4680.00
73.20	50 mm dia.	20.00	mtr	358.00	Rupees Three Hundred & Fifty Eight Only	7160.00
74.00	Fixing of fresh air fan/exhaust fan up to size of 300 mm on ply/ poly board of 6.0 mm in existing window frame including cutting of hole in ply. Nut bolts etc. as required.	5.00	Each	113.00	Rupees One Hundred & Thirteen Only	565.00
75.00	I T C of ceiling fan and regulator including wiring the down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required.					
75.10	With regulator	120.00	Each	51.00	Rupees Fifty One Only	6120.00
75.20	Without regulator	10.00	Each	45.00	Rupees Forty Five Only	450.00

76.00	P & F double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required.					
76.10	900 mm sweep	15.00	Each	1367.00	Rupees One Thousand Three Hundred & Sixty Seven Only	20505.00
76.20	1050 mm sweep	5.00	Each	1389.00	Rupees One Thousand Three Hundred & Eighty Nine Only	6945.00
76.30	1200 mm sweep	5.00	Each	1451.00	Rupees One Thousand Four Hundred & Fifty One Only	7255.00
76.40	1400 mm sweep	5.00	Each	1536.00	Rupees One Thousand Five Hundred & Thirty Six Only	7680.00
77.00	P & F Star rated double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required.					
77.10	1200 mm Sweep 5 Star rated	5.00	Each	1896.00	Rupees One Thousand Eight Hundred & Ninety Six Only	9480.00
78.00	P & F 18 swg M.S. Recessed fan box, hexagonal/round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side .	5.00	Each	95.00	Rupees Ninety Five Only	475.00
79.00	P & F of M.S. J- hook of standard design made out of 16 mm dia. M.S. round bar and fixed with cement concrete mortar with required support as required.	5.00	Each	135.00	Rupees One Hundred & Thirty Five Only	675.00
80.00	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as required.					
80.10	225 mm sweep	2.00	Each	1614.00	Rupees One Thousand Six Hundred & Fourteen Only	3228.00

80.20	300 mm sweep	2.00	Each	1856.00	Rupees One Thousand Eight Hundred & Fifty Six Only	3712.00
81.00	P & F of ventilating fans, Capacitor start, single phase with PVC impeller, ABS body, automatic openable louver shutter in existing opening including making connection, testing etc. as required.					
81.10	150 mm sweep	5.00	Each	1265.00	Rupees One Thousand Two Hundred & Sixty Five Only	6325.00
81.20	200 mm sweep	5.00	Each	1416.00	Rupees One Thousand Four Hundred & Sixteen Only	7080.00
81.30	250 mm sweep	1.00	Each	1546.00	Rupees One Thousand Five Hundred & Forty Six Only	1546.00
82.00	P & F heavy duty, Double ball bearing and with sturdy mesh guard; Aluminium alloy one piece blade wall mounting oscillating type air circulator conforming to IS:2997, including fixing with anchor bolts, regulator making connection testing etc. as required.					
82.10	450 mm sweep With three speed regulator	1.00	Each	6022.00	Rupees Six Thousand & Twenty Two Only	6022.00
82.20	600 mm sweep With three speed regulator	1.00	Each	8525.00	Rupees Eight Thousand Five Hundred & Twenty Five Only	8525.00
82.30	750 mm sweep With three speed regulator	1.00	Each	10078.00	Rupees Ten Thousand & Seventy Eight Only	10078.00
83.00	P & F capacitor start, three speed, oscillating type pedestal fan with adjustable height, of following size with cord and plug top as required.					
83.10	400 mm sweep	4.00	Each	2522.00	Rupees Two Thousand Five Hundred & Twenty Two Only	10088.00

83.20	450 mm sweep	1.00	Each	3947.00	Rupees Three Thousand Nine Hundred & Forty Seven Only	3947.00
84.00	P & F extra down rod of 15 mm dia . ERW (Electrical resistance welded) of 1.6mm nominal thick medium duty steel pipe including cutting, threading, drilling, fixing quarter pin etc as reqd.	1.00	mtr	89.00	Rupees Eighty Nine Only	89.00
85.00	P & F of 4 star rated vertical storage water heater with outer casing made of M.S.sheet finished with anti-corrosive powder coating,inner tank made of pure electrolytic copper/stainless steel / SPHP, Tubular copper sheathed and Nickel plated heating element/ twin ceramic cartridge heating element, stem type thermostat and thermal cut out,Dual indicating lamps for power supply and thermostat,PUF insulation, Pressure release valve,fusible plug etc. as required held in position with 4 no. rack bolts,duly wired with 3 core 2.5/4.0 Sqmm PVC insulated & sheathed copper conductor and 16 A/25A three pin plug top,including making inlet,outlet heavy gauge C.P./ Flexible alloy connection,testing etc. as required.					
85.10	25 Ltr.	5.00	Each	8907.90	Rupees Eight Thousand Nine Hundred & Seven and Paise Ninety Only	44539.50
86.00	P & F ISI marked (IS:2082) Horizontal storage water heater with outer casing made of M.S.sheet finished with anti-corrosive powder coating,inner tank made of pure electrolytic copper/stainless steel , Tubular copper sheathed and Nickel plated heating element/ twin ceramic cartridge heating element, stem type thermostat and thermal cut out,Dual indicating lamps for power supply and thermostat,PUF insulation, Pressure release valve,fusible plug etc. as required held in position with 4 no. rack bolts,duly wired with 3 core 2.5/4.0 Sqmm PVC insulated & sheathed copper conductor and 16 A/25A three pin plug top,including making inlet,outlet heavy gauge C.P. connection,testing etc. as required.					
86.10	6 Ltr.	5.00	Each	6486.00	Rupees Six Thousand Four Hundred & Eighty Six Only	32430.00
86.20	10 Ltr.	1.00	Each	7722.25	Rupees Seven Thousand Seven	7722.25

					Hundred & Twenty Two and Paise Twenty Five Only	
86.30	15 Ltr.	1.00	Each	7762.50	Rupees Seven Thousand Seven Hundred & Sixty Two and Paise Fifty Only	7762.50
86.40	25 Ltr.	1.00	Each	9137.90	Rupees Nine Thousand One Hundred & Thirty Seven and Paise Ninety Only	9137.90
87.00	P & F strip type fluorscent tube fitting fabricated from (CRCA sheet and finished with powder coating / stove enamelled paint) / (extruded non corrosive UV resist EP channel) complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube).					
87.10	1 X 18 Watts with EB	30.00	Each	366.00	Rupees Three Hundred & Sixty Six Only	10980.00
87.20	1 X 36 Watts with EB	70.00	Each	377.00	Rupees Three Hundred & Seventy Seven Only	26390.00
88.00	P & F box type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating / stove enamelled paint complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube).					
88.10	1 X 36 Watts with EB	50.00	Each	855.00	Rupees Eight Hundred & Fifty Five Only	42750.00
88.20	2 X 36 Watts with EB	70.00	Each	1080.00	Rupees One Thousand & Eighty Only	75600.00

89.00	P & F Mirror optics type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating, high efficiency aluminium mirror reflector standard cross louvers complete with accessories like (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required(without tube).					
89.10	Surface mounting 2 X 36 Watts with OCCB	2.00	Each	2655.00	Rupees Two Thousand Six Hundred & Fifty Five Only	5310.00
89.20	Surface mounting 1 X 36 Watts with EB	2.00	Each	2160.00	Rupees Two Thousand One Hundred & Sixty Only	4320.00
89.30	Surface mounting 2 X 36 Watts with EB	2.00	Each	2734.00	Rupees Two Thousand Seven Hundred & Thirty Four Only	5468.00
89.40	Recess mounting					
89.50	1 X 36 Watts with EB	1.00	Each	2104.00	Rupees Two Thousand One Hundred & Four Only	2104.00
89.60	2 X 36 Watts with EB	1.00	Each	2655.00	Rupees Two Thousand Six Hundred & Fifty Five Only	2655.00
90.00	P & F Fluorscent tube rod in existing fixtures as required, Fluorscent powder coated (minimum 3 star rating)					
90.10	18/20 Watts	100.00	Each	59.00	Rupees Fifty Nine Only	5900.00
90.20	36/40 Watts	200.00	Each	63.00	Rupees Sixty Three Only	12600.00
91.00	P & F Ballast for existing FTL / CFL fixture as required.					

91.10	copper ballast 18/36 Watts suitable for FTL	150.0 0	Each	270.00	Rupees Two Hundred & Seventy Only	40500.00
91.20	High frequency electronic ballast 18/36 watts for FTL	150.0 0	Each	575.00	Rupees Five Hundred & Seventy Five Only	86250.00
92.00	P & F Capacitors for power factor improvement in existing flourscent lamp fixture as required.					
92.10	4 Mfd 250 V	50.00	Each	124.00	Rupees One Hundred & Twenty Four Only	6200.00
92.20	8 Mfd 250 V	70.00	Each	169.00	Rupees One Hundred & Sixty Nine Only	11830.00
93.00	P & F energy efficient / energy saving direct fit (Retrofit) composite self ballasted compact flourscent lamp (CFL) with PF >0.85 in existing holder / fixture as required.					
93.10	5 Watt	5.00	Each	152.00	Rupees One Hundred & Fifty Two Only	760.00
93.20	8/9 Watt	5.00	Each	169.00	Rupees One Hundred & Sixty Nine Only	845.00
93.30	11/13 Watt	5.00	Each	174.00	Rupees One Hundred & Seventy Four Only	870.00
93.40	14/15 Watt	5.00	Each	180.00	Rupees One Hundred & Eighty Only	900.00
93.50	18/20 Watt	5.00	Each	236.00	Rupees Two Hundred & Thirty Six Only	1180.00
94.00	P & F two pin energy efficient compact flourscent lamp in existing holder/fixture as required.					
94.10	13/18 watt	200.0 0	Each	177.00	Rupees One Hundred & Seventy Seven Only	35400.00

94.20	36 Watt 4 pin	20.00	Each	242.00	Rupees Two Hundred & Forty Two Only	4840.00
95.00	P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made from powder coated single piece pressure die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp) Street Light Suitable for HPSV Lamps 1 X 150 Watt	5.00	Each	5250.00	Rupees Five Thousand Two Hundred & Fifty Only	26250.00
96.00	P & F Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required.					
96.10	HPSV Tubular lamp Normal Output 150 Watt 15000 Lumens	5.00	Each	465.00	Rupees Four Hundred & Sixty Five Only	2325.00
97.00	P & F Electronic ignitor suitable for HPSV/ Metal halide lamp up to 30.0 Mtr. distance as required.	10.00	Each	270.00	Rupees Two Hundred & Seventy Only	2700.00
Total Estimated Cost in Figures						1386786.15
Quoted Amount					1386786.15	1386786.00
Quoted Rate in Words		Rupees Thirteen Lakh Eighty Six Thousand Seven Hundred & Eighty Six Only				