

JAIPUR DEVELOPMENT AUTHORITY JAIPUR
Tender Document for the work

Envelop-2

Name of work: - Annual electrical repair and maintenance of JDA Building & Campus lighting at JDA ,Jaipur

Period of on line Sale	11.06.15 to 25.06.15
Date of online receipt of the tender	11.06.15 to 25.06.15 up to 6.00 PM
Date of receipt of the original Demand draft of EMD,Tender fee In favour of Secretary,JDA,Jaipur	11.06.15 to 25.06.15 up to 6.00 PM
Date of receipt of the original Demand draft of processing fee (Rs.1000/- only in favour of M.D.RISL,Jaipur.)	11.06.15 to 25.06.15 up to 6.00 PM
Date of opening of tender (Envelop-1) and Tender document & G-schedule (Envelop-2)	26.06.15 at 3.30 PM in the Chamber of Executive Engineer (Elect-I)
Tender fee.	Rs 250.00
Completion Period	12 Months
Estimated Cost of work	Rs 24.02 Lacs
EMD Amount	0.5% (Rs 12010.00 for contractor registered in JDA) Or 2% (Rs 48040.00) for Contractor registered in other Govt. department in class E-I

- **Envelop -1** being for scanned copy of demand draft of tender fee, earnest money, processing fee, and copy of registration of contractor in required category.
- **Envelope -2** being for tender document and BOQ

The tender will be opened only of those bidders who have paid the Bid security /bid fee/ RISL Fee etc online, which require to be deposited in JDA along with online bids of all good/ works/ services will be received only through online mode from 11.06.15 to 25.06.15 and copy of registration of contractor in required category are found in order.

NOTE:-

- 1. Digital signatures are also valid in all documents.**

NAME OF AGENCY M/s -----

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 & Rule1971.
3. The JDA shall have right to cause an audit technical examination of the work and the final bills of the contractor including all supporting vouchers, abstract etc. to be made within two years after payment of the final bills and if as a result such audit any amount is found to have been over paid / excess in respect of any work done by the contractor under the contract or any work claimed by him to have been done under this contract and found not to have been executed the contractor shall be liable to refund such amount and it shall be lawful for the JDA to recover such sum from him in the manner prescribed in special condition no. 8 or any other manner legally permissible and if it is found that the contractor was paid less than that was due to him under the contract in respect of work executed by him under it, the amount of such under payment shall be paid by the JDA to the contractor.
4. The contractor shall not work after the sunset and before sunrise without specific permission of the authority Engineer.
5. Wherever any claim against the contractor for the payment of a sum of money arises out of under the contracts, the JDA shall be entitled to recover the sum by appropriating in part or whole of the security deposit of the contractor, In the event of the security being insufficient or if no security has been taken from the contractor then the balance of the total sum recoverable as the case may shall be deducted from any sum then due or which at any time there contract with the JDA should this sum be sufficient to recover the full amount recoverable. The contractor shall pay to JDA on demand the balance remaining due. The JDA shall further have the right to affect such recoveries under P.D.R. Act.
6. The rate quoted by the contractor shall remain valid for a period of 4 (Four) months from the date of opening of the bids.
7. By submission of this bid the contractor agree to abide with all printed conditions provided in the PWD manual from 64 (Chapter 3-para 36) and subsequent modification.

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

18. No extra lead of earth/material shall be paid over and above as specified in 'G' Schedule Source/borrow pit area for earth shall have to be arranged by the Contractor at his own cost.
19. Undersigned has full right to reject any or all bids without given any reasons.
20. Mortar of Masonry work and lean concrete will be permitted mixer with hopper.
21. As per Supreme Court decision "All contracts with Governments shall require registration of workers under the building and other construction workers (Regulation of Employment and Conditions of Service) Act, 1996 and extension of benefits to such workers under the act.
22. Special Conditions of Contract regarding Defect Liability Period (DLP) for Roads works costing Rs. 25.00 lacs and more shall be applicable
23. The bidders are required to submit copy of their enlistment as contractor.
24. Conditions of RPWA-100 will be mandatory & acceptable to the contractor.
25. Any bid received with unattested cutting/ overwriting in rates shall be rejected and such bidder will be debarred from bidding for three months in JDA.
26. All the provision of **THE RAJASTHAN TRANSPARENCY IN PUBLIC PROCUREMENT ACT 2012 and Rules, 2013 will be applicable. If there is any contradictions in existing 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 depts. 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.

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 be deemed to form part of the contract bond and shall be read as conditions of contract.
31. In every case in which by virtue of the provisions of section 12 sub section (1) 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 of 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 it 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 submitted 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 expense 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 studied 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 JDA Building & Campus lighting at JDA ,Jaipur						
Contract No: NIB No-06/2015-16						
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.)	10.00	P.Point	194.00	Rupees One Hundred & Ninety Four Only	1940.00
1.20	Medium point (up to 6 mtr.)	10.00	P.Point	293.00	Rupees Two Hundred & Ninety Three Only	2930.00
1.30	Long point (up to 10 mtr..)	10.00	P.Point	415.00	Rupees Four Hundred & Fifteen Only	4150.00
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.)	10.00	P.Point	197.00	Rupees One Hundred & Ninety Seven Only	1970.00
2.20	Medium point (up to 6 mtr.)	10.00	P.Point	297.00	Rupees Two Hundred & Ninety Seven Only	2970.00
2.30	Long point (up to 10 mtr..)	10.00	P.Point	417.00	Rupees Four Hundred & Seventeen Only	4170.00

3.00	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.					
3.10	20 mm x 12 mm	100.00	R.Mtr	24.00	Rupees Twenty Four Only	2400.00
3.20	25 mm x 12 mm	100.00	R.Mtr	28.00	Rupees Twenty Eight Only	2800.00
3.30	32 mm x 12 mm	100.00	R.Mtr	34.00	Rupees Thirty Four Only	3400.00
3.40	38 mm x 18.5mm	80.00	R.Mtr	50.00	Rupees Fifty Only	4000.00
3.50	50 mm x 20mm	80.00	R.Mtr	74.00	Rupees Seventy Four Only	5920.00
3.60	50 mm x 50mm	80.00	R.Mtr	135.00	Rupees One Hundred & Thirty Five Only	10800.00
4.00	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.					
4.10	Short point (up to 3 mtr.)	10.00	P.Point	240.00	Rupees Two Hundred & Forty Only	2400.00
4.20	Medium point (up to 6 mtr.)	10.00	P.Point	332.00	Rupees Three Hundred & Thirty Two Only	3320.00
4.30	Long point (up to 10 mtr..)	10.00	P.Point	452.00	Rupees Four Hundred & Fifty Two Only	4520.00
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 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.					
5.10	Short point (up to 3 mtr.)	10.00	P.Point	215.00	Rupees Two Hundred & Fifteen Only	2150.00
5.20	Medium point (up to 6 mtr.)	10.00	P.Point	338.00	Rupees Three Hundred & Thirty Eight Only	3380.00

5.30	Long point (up to 10 mtr..)	10.00	P.Point	474.00	Rupees Four Hundred & Seventy Four Only	4740.00
6.00	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.					
6.10	Short point (up to 3 mtr.)	10.00	P.Point	219.00	Rupees Two Hundred & Nineteen Only	2190.00
6.20	Medium point (up to 6 mtr.)	10.00	P.Point	340.00	Rupees Three Hundred & Forty Only	3400.00
6.30	Long point (up to 10 mtr..)	10.00	P.Point	475.00	Rupees Four Hundred & Seventy Five Only	4750.00
7.00	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 in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, 18 SWG 175 mm x 100 mm x 60 mm M.S. box with earth terminal, 6 A switch, 6 A socket, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.					
7.10	On board	10.00	P.Point	90.00	Rupees Ninety Only	900.00
7.20	Short point (up to 3 mtr.)	10.00	P.Point	251.00	Rupees Two Hundred & Fifty One Only	2510.00
7.30	Medium point (up to 6 mtr.)	10.00	P.Point	368.00	Rupees Three Hundred & Sixty Eight Only	3680.00
7.40	Long point (up to 10 mtr..)	10.00	P.Point	498.00	Rupees Four Hundred & Ninety Eight Only	4980.00
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	20.00	R.Mtr	32.00	Rupees Thirty Two Only	640.00
8.20	25 mm	20.00	R.Mtr	42.00	Rupees Forty Two Only	840.00
8.30	32 mm	20.00	R.Mtr	65.00	Rupees Sixty Five Only	1300.00
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	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.					
9.01	1 x 1.5 sq.mm	500.00	mtr	14.00	Rupees Fourteen Only	7000.00
9.02	2 x 1.5 sq.mm	300.00	mtr	26.00	Rupees Twenty Six Only	7800.00
9.03	3x 1.5 sq.mm	150.00	mtr	40.00	Rupees Forty Only	6000.00
9.04	1 x 2.5 sq.mm	500.00	mtr	21.00	Rupees Twenty One Only	10500.00
9.05	2 x 2.5 sq.mm	250.00	mtr	41.00	Rupees Forty One Only	10250.00
9.06	2 x 2.5 sq. mm. + 1x1.5sqmm	30.00	mtr	53.00	Rupees Fifty Three Only	1590.00
9.07	1 x 4.0 sq.mm	200.00	mtr	30.00	Rupees Thirty Only	6000.00
9.08	2 x 4.0 sq.mm	40.00	mtr	57.00	Rupees Fifty Seven Only	2280.00
9.09	1 x 6.0 sq.mm	150.00	mtr	46.00	Rupees Forty Six Only	6900.00
9.10	2 x 6.0 sq.mm	40.00	mtr	89.00	Rupees Eighty Nine Only	3560.00
9.11	1 x 10.0 sq.mm	150.00	mtr	78.00	Rupees Seventy Eight Only	11700.00
10.00	Supplying and drawing PVC/ Polythene insulated and PVC sheathed unarmoured/ armoured telephone cable with 0.5 mm dia. Tinned / annealed copper conductor taped & confirming to ITD specification S/WS -113C of approved make in existing surface or recessed conduit/casing capping. Unarmoured Telephone cable in existing surface or recessed conduit/casing capping.					
10.01	1 pair	15.00	mtr	9.00	Rupees Nine Only	135.00
10.02	2 pair	200.00	mtr	13.00	Rupees Thirteen Only	2600.00
10.30	10 pair	150.00	mtr	54.00	Rupees Fifty Four Only	8100.00
11.00	Jelly filled armoured (PIJF) Armoured telephone cable 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. 100 pair	25.00	mtr	749.00	Rupees Seven Hundred & Forty Nine Only	18725.00
12.00	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. 10.0 sq.mm	100.00	mtr	56.00	Rupees Fifty Six Only	5600.00
13.00	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 ,	10.00	Each	235.00	Rupees Two Hundred & Thirty Five Only	2350.00

	etc. as required.					
14.00	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.					
14.01	75mm x 75mm x 60mm	10.00	Each	33.00	Rupees Thirty Three Only	330.00
14.02	100mm x 100mm x 60mm	10.00	Each	45.00	Rupees Forty Five Only	450.00
14.03	150mm x 75mm x 60mm	5.00	Each	51.00	Rupees Fifty One Only	255.00
14.04	175mm x 100mm x 60mm	5.00	Each	57.00	Rupees Fifty Seven Only	285.00
14.05	150mm x 150mm x 60mm	10.00	Each	62.00	Rupees Sixty Two Only	620.00
14.06	225mm x 100mm x 60mm	5.00	Each	62.00	Rupees Sixty Two Only	310.00
14.07	200mm x 150mm x 60mm	2.00	Each	77.00	Rupees Seventy Seven Only	154.00
14.08	200mm x 125mm x 75mm	5.00	Each	88.00	Rupees Eighty Eight Only	440.00
14.09	200mm x 250mm x 75mm	2.00	Each	101.00	Rupees One Hundred & One Only	202.00
14.10	200mm x 250mm x 100mm	5.00	Each	117.00	Rupees One Hundred & Seventeen Only	585.00
14.11	250mm x 300mm x 75mm	2.00	Each	141.00	Rupees One Hundred & Forty One Only	282.00
14.12	250mm x 300mm x 100mm	2.00	Each	156.00	Rupees One Hundred & Fifty Six Only	312.00
14.13	300mm x 375mm x 75mm	2.00	Each	168.00	Rupees One Hundred & Sixty Eight Only	336.00
14.14	300mm x 375mm x 100mm	2.00	Each	179.00	Rupees One Hundred & Seventy Nine Only	358.00
15.00	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. 40mm x 40mm x 5mm	2.00	mtr	209.00	Rupees Two Hundred & Nine Only	418.00
16.00	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. 2.0 mm thick	2.00	sqm	1036.00	Rupees One Thousand & Thirty Six Only	2072.00
17.00	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.					

17.01	3.0 mm thick	10.00	sqm	680.00	Rupees Six Hundred & Eighty Only	6800.00
17.02	6.4 mm thick	10.00	sqm	891.00	Rupees Eight Hundred & Ninety One Only	8910.00
18.00	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.					
18.01	150 mm x 75 mm	5.00	Each	14.00	Rupees Fourteen Only	70.00
18.02	100 mm x 100 mm	5.00	Each	14.00	Rupees Fourteen Only	70.00
18.03	100 mm x 175 mm	5.00	Each	17.00	Rupees Seventeen Only	85.00
18.04	200 mm x 250 mm	5.00	Each	30.00	Rupees Thirty Only	150.00
18.05	250 mm x 300 mm	5.00	Each	36.00	Rupees Thirty Six Only	180.00
18.06	300 mm x 375 mm	5.00	Each	56.00	Rupees Fifty Six Only	280.00
18.07	375 mm x 450 mm	5.00	Each	62.00	Rupees Sixty Two Only	310.00
18.08	450 mm x 600 mm	5.00	Each	87.00	Rupees Eighty Seven Only	435.00
19.00	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.					
19.01	Single pole MCB 6 A to 32 A rating	150.00	Each	151.00	Rupees One Hundred & Fifty One Only	22650.00
19.02	Double pole MCB 6 A to 32 A rating	50.00	Each	401.00	Rupees Four Hundred & One Only	20050.00
19.03	Single pole & neutral MCB 6 A to 32 A rating	5.00	Each	401.00	Rupees Four Hundred & One Only	2005.00
19.04	Triple pole MCB 6 A to 32 A rating	5.00	Each	688.00	Rupees Six Hundred & Eighty Eight Only	3440.00
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.					
20.01	Single door (single phase) 8 Way	2.00	Each	555.00	Rupees Five Hundred & Fifty Five Only	1110.00

20.02	Single door (Three phase) 8 Way	2.00	Each	2063.0 0	Rupees Two Thousand & Sixty Three Only	4126.00
20.03	Single door (Three phase) 12 Way	2.00	Each	2885.0 0	Rupees Two Thousand Eight Hundred & Eighty Five Only	5770.00
20.04	Double door (Three phase) 12 Way	1.00	Each	3520.0 0	Rupees Three Thousand Five Hundred & Twenty Only	3520.00
21.00	P&F flush/surface type enclosure for housing MCB/Isolator with Din rail including making connections with lugs, repairs etc. as required.					
21.01	With sheet steel enclosure Two way	2.00	Each	290.00	Rupees Two Hundred & Ninety Only	580.00
21.02	With sheet steel enclosure Three way	1.00	Each	305.00	Rupees Three Hundred & Five Only	305.00
21.03	With plastic enclosure Three way	2.00	Each	150.00	Rupees One Hundred & Fifty Only	300.00
21.04	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					
22.01	Single / Double Pole (Three pin) 10 A	2.00	Each	685.00	Rupees Six Hundred & Eighty Five Only	1370.00
22.02	Three / Four pole (Five pin) 20 A	1.00	Each	1515.0 0	Rupees One Thousand Five Hundred & Fifteen Only	1515.00
22.03	Three / Four pole (Five pin) 30A-32A	1.00	Each	1782.0 0	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.					
23.01	Single door with Provision of Incomer MCCB 100/ 125 A Rating 4 Way	2.00	Each	3940.0 0	Rupees Three Thousand Nine Hundred & Forty Only	7880.00

23.02	Single door with Provision of incomer MCCB 200/ 250 A Rating 4 Way	2.00	Each	7251.00	Rupees Seven Thousand Two Hundred & Fifty One Only	14502.00
24.00	P & F ISI marked (IS :3854) 6 amp. porcelain base single pole tumbler switch including making connection testing etc. as required.	2.00	Each	29.00	Rupees Twenty Nine Only	58.00
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.	200.00	Each	19.00	Rupees Nineteen Only	3800.00
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.	200.00	Each	47.00	Rupees Forty Seven Only	9400.00
28.00	P & F ISI marked (IS :3854) bell push surface type including making connection testing etc. as required.	200.00	Each	20.00	Rupees Twenty Only	4000.00
29.00	P & F ISI marked (IS :3854) twin control switch surface type including making connection testing etc. as required.	20.00	Each	33.00	Rupees Thirty Three Only	660.00
30.00	P & F ISI marked (IS :3854) bell push flush type including cutting hole in tile and making connection testing etc. as required.	20.00	Each	20.00	Rupees Twenty Only	400.00
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.	10.00	Each	21.00	Rupees Twenty One Only	210.00
32.00	P & F ISI marked hanging bell push/one way switch including making connection testing etc. as required.	100.00	Each	22.00	Rupees Twenty Two Only	2200.00
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.	200.00	Each	20.00	Rupees Twenty Only	4000.00
36.00	P & F 3/6 pin 16 amp flush type socket including cutting hole in tile and making connection testing etc. as required.	200.00	Each	52.00	Rupees Fifty Two Only	10400.00
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.	20.00	Each	20.00	Rupees Twenty Only	400.00

39.00	P & F ISI marked 6 amp bakelite unbreakable 3 pin plug top including making connection testing etc. as required.	200.00	Each	30.00	Rupees Thirty Only	6000.00
40.00	P & F ISI marked 16 amp bakelite unbreakable 3 pin plug top including making connection testing etc. as required.	200.00	Each	45.00	Rupees Forty Five Only	9000.00
41.00	P & F ISI marked flush type single line telephone jack including making connection testing etc. as required.	300.00	Each	53.00	Rupees Fifty Three Only	15900.00
42.00	P & F ISI marked flush type double line telephone jack including making connection testing etc. as required.	10.00	Each	60.00	Rupees Sixty Only	600.00
43.00	P & F ISI marked flush type coaxial T.V. socket including making connection testing etc. as required.	200.00	Each	22.00	Rupees Twenty Two Only	4400.00
44.00	P & F socket size flush type 120/280 watt rotary 5 step fan regulator including making connection testing etc. as required.	100.00	Each	210.00	Rupees Two Hundred & Ten Only	21000.00
45.00	P & F ISI marked 32 A D.P. switch with fuse and indicating lamp including making connection testing etc. as required.	5.00	Each	95.00	Rupees Ninety Five Only	475.00
46.00	P & F ISI marked gong bell including making connection testing etc. as required.	100.00	Each	60.00	Rupees Sixty Only	6000.00
47.00	P & F ISI marked flush/surface type buzzer including making connection testing etc. as required.	200.00	Each	50.00	Rupees Fifty Only	10000.00
48.00	P & F ISI marked single tone electronic call bell including making connection testing etc. as required.	200.00	Each	225.00	Rupees Two Hundred & Twenty Five Only	45000.00
49.00	P & F ISI marked ding dong/musical chime bell including making connection testing etc. as required.	100.00	Each	115.00	Rupees One Hundred & Fifteen Only	11500.00
50.00	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.	20.00	Each	95.00	Rupees Ninety Five Only	1900.00
51.00	P & F 400 watt switch type dimmer including making connection testing etc. as required.	2.00	Each	165.00	Rupees One Hundred & Sixty Five Only	330.00
52.00	P & F 400 watt metallic flush/surface type dimmer including making connection testing etc. as required.	2.00	Each	225.00	Rupees Two Hundred & Twenty Five Only	450.00
53.00	P & F following modular accessories made out of unbreakable and fire retardant poly carbonate with silver contacts including making connections testing etc. as required					
53.01	6 A one way switch	20.00	Each	92.00	Rupees Ninety Two Only	1840.00

53.02	6 A bell push	20.00	Each	120.00	Rupees One Hundred & Twenty Only	2400.00
53.03	16 A one way switch	20.00	Each	138.00	Rupees One Hundred & Thirty Eight Only	2760.00
53.04	6 A 3 pin shuttered socket	20.00	Each	120.00	Rupees One Hundred & Twenty Only	2400.00
53.05	16 A 6 pin shuttered socket	20.00	Each	189.00	Rupees One Hundred & Eighty Nine Only	3780.00
53.06	5 step fan regulator 2 Module	20.00	Each	460.00	Rupees Four Hundred & Sixty Only	9200.00
53.07	Blanking plate	20.00	Each	19.00	Rupees Nineteen Only	380.00
53.08	25 Amp. 2 Module Socket	20.00	Each	194.00	Rupees One Hundred & Ninety Four Only	3880.00
54.00	P & F following size mounting grid plates with cover plates					
54.01	1/2 Module	20.00	Each	69.00	Rupees Sixty Nine Only	1380.00
54.02	3 Module	20.00	Each	74.00	Rupees Seventy Four Only	1480.00
54.03	4 Module	20.00	Each	80.00	Rupees Eighty Only	1600.00
54.04	5/6 Module	20.00	Each	109.00	Rupees One Hundred & Nine Only	2180.00
54.05	8 Module	20.00	Each	161.00	Rupees One Hundred & Sixty One Only	3220.00
54.06	10/ 12 Module	20.00	Each	200.00	Rupees Two Hundred Only	4000.00
54.07	16/ 18 Module	20.00	Each	258.00	Rupees Two Hundred & Fifty Eight Only	5160.00
55.00	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.					
55.01	1-2 Module	20.00	Each	40.00	Rupees Forty Only	800.00
55.02	3 Module	20.00	Each	47.00	Rupees Forty Seven Only	940.00
55.03	4 Module	20.00	Each	54.00	Rupees Fifty Four Only	1080.00
55.04	5-6 Module	20.00	Each	82.00	Rupees Eighty Two Only	1640.00
55.05	8 Module	20.00	Each	95.00	Rupees Ninety Five Only	1900.00

55.06	10/ 12 Module	20.00	Each	130.00	Rupees One Hundred & Thirty Only	2600.00
55.07	16/ 18 Module	20.00	Each	158.00	Rupees One Hundred & Fifty Eight Only	3160.00
56.00	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
57.00	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.					
57.01	Electrolytic grade Aluminium bus bar	5.00	Kg	420.00	Rupees Four Hundred & Twenty Only	2100.00
57.02	Electrolytic grade Copper bus bar	5.00	Kg	675.00	Rupees Six Hundred & Seventy Five Only	3375.00
58.00	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. Digital type	2.00	Each	1100.00	Rupees One Thousand One Hundred Only	2200.00
59.00	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.					
59.01	Analog type (96 mm x 96 mm) Below 500 A	2.00	Each	375.00	Rupees Three Hundred & Seventy Five Only	750.00
59.02	Digital type Below 500 A	2.00	Each	1100.00	Rupees One Thousand One Hundred Only	2200.00
60.00	SF of 110/220 V, LED (22.5 mm dia) Indicating lamp with integral circuit, terminal block, including connection etc. as required. Red/yellow/Green colour	2.00	Each	150.00	Rupees One Hundred & Fifty Only	300.00

61.00	SITC of microprocessor based three phase sensing power factor correction relay having following sensing capacity secondary current , self analysing auto c/k setting according to targeted power factor setting, the relay shall have digit display unit for display of real power factor, targeted power factor, lag/lead capacitor switching status, alarm output for under current, over current, insufficient compensation, indication of switching on units, auto/manual status, and shall have over load protection, no volt release , having multi parameter like KW, KVA, KVAR, metering facility as required.					
61.01	6 to 8 stage sensitivity up to 50 milli Amp	2.00	Each	17205.00	Rupees Seventeen Thousand Two Hundred & Five Only	34410.00
61.02	12 to 14 stage sensitivity up to 50 milli Amp	2.00	Each	20648.00	Rupees Twenty Thousand Six Hundred & Forty Eight Only	41296.00
62.00	P & F Cam operated rotary switches on existing panel with 2 way and off position Two pole					
62.01	32 A	2.00	Each	387.00	Rupees Three Hundred & Eighty Seven Only	774.00
62.02	63 A	2.00	Each	594.00	Rupees Five Hundred & Ninety Four Only	1188.00
63.00	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					
63.01	63 Amp	5.00	Each	3536.00	Rupees Three Thousand Five Hundred & Thirty Six Only	17680.00
63.02	100 Amp	5.00	Each	5744.00	Rupees Five Thousand Seven Hundred & Forty Four Only	28720.00
64.00	P & F of 440 Volt 3 pole capacitor (AC 6 B) duty contactor with 3 no. early make and post break auxiliary contacts in series with quick discharge damping resistors/ reactors to limit the inrush current , conforming to IS:13947-4-1/IEC:947-4-1, Din rail mounting type including making connections, testing etc. as required. suitable for following capacity capacitor bank.					
64.01	7 to 10 KVAR	2.00	Each	1450.00	Rupees One Thousand Four Hundred & Fifty Only	2900.00
64.02	11 to 20 KVAR	2.00	Each	2068.00	Rupees Two Thousand & Sixty Eight Only	4136.00

64.03	21 to 29 KVAR	2.00	Each	5150.0 0	Rupees Five Thousand One Hundred & Fifty Only	10300.00
64.04	30 KVAR	2.00	Each	5257.0 0	Rupees Five Thousand Two Hundred & Fifty Seven Only	10514.00
64.05	50 KVAR	2.00	Each	7890.0 0	Rupees Seven Thousand Eight Hundred & Ninety Only	15780.00
64.06	60 KVAR	2.00	Each	9567.0 0	Rupees Nine Thousand Five Hundred & Sixty Seven Only	19134.00
65.00	P&F of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming etc. as required One day & week reserve (digital type)	5.00	Each	5746.0 0	Rupees Five Thousand Seven Hundred & Forty Six Only	28730.00
66.00	SITC of Fixed / Draw out type 3 pole Air Circuit Breaker conforming to IS 60947 P - 2 in existing LT panel suitable for LT installation 440 V, 50 Hz and having adjustable over load short-circuit, earth fault and microprocessor based release with separate LED indication for each type of fault ,LCD display , Thermal memory at least 4NO & 4NC auxiliary contacts safety shutter and fault position acknowledgement mechanism . type ACB shall have separate indication for service, test, isolation, maintenance position, Breaking capacity Icu = Ics = Icw (1 sec) , Uimp - 12 KV, including making connections etc. as required. Fixed Type					
66.01	800 A Rating , 50kA	2.00	Each	80770. 00	Rupees Eighty Thousand Seven Hundred & Seventy Only	161540.00
66.02	1000 A Rating , 50kA	2.00	Each	83716. 00	Rupees Eighty Three Thousand Seven Hundred & Sixteen Only	167432.00
67.00	SITC of quick make and quick break 3 pole current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip , earth fault trip, push (test) to trip, including making connections with lugs & spreaders, etc. as required. With Thermal Magnetic release					
67.01	up to 100 Amp , 16 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	5.00	Each	4250.0 0	Rupees Four Thousand Two Hundred & Fifty Only	21250.00
67.02	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	5.00	Each	4782.0 0	Rupees Four Thousand Seven Hundred & Eighty Two Only	23910.00

68.00	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip ,earth fault trip, push (test) to trip , including making connections with lugs & spreaders, etc. as required. With Thermal Magnetic release					
68.01	up to 100 Amp , 16 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	5.00	Each	5800.00	Rupees Five Thousand Eight Hundred Only	29000.00
68.02	up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	5.00	Each	6341.00	Rupees Six Thousand Three Hundred & Forty One Only	31705.00
69.00	Supply and fixing of following accessories for MCCB					
69.01	Shunt Trip Release	2.00	Each	1794.00	Rupees One Thousand Seven Hundred & Ninety Four Only	3588.00
69.02	Under Voltage Release	2.00	Each	2673.00	Rupees Two Thousand Six Hundred & Seventy Three Only	5346.00
69.03	Motor mechanism for 400A MCCB (240V, 50Hz)	2.00	Each	19800.00	Rupees Nineteen Thousand Eight Hundred Only	39600.00
70.00	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.					
70.01	Single pole & neutral 16 A / 240 V	2.00	Each	354.00	Rupees Three Hundred & Fifty Four Only	708.00
70.02	Single pole & neutral 32 A / 240 V	1.00	Each	840.00	Rupees Eight Hundred & Forty Only	840.00
70.03	Double pole 63 A / 415 V	2.00	Each	2356.00	Rupees Two Thousand Three Hundred & Fifty Six Only	4712.00
71.00	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.					
71.01	32 A rating	2.00	Each	1327.00	Rupees One Thousand Three Hundred & Twenty Seven Only	2654.00
71.02	63 A rating	2.00	Each	2968.00	Rupees Two Thousand Nine Hundred & Sixty Eight Only	5936.00

72.00	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.					
72.01	63 A rating	5.00	Each	4288.00	Rupees Four Thousand Two Hundred & Eighty Eight Only	21440.00
72.02	100 A rating	5.00	Each	5796.00	Rupees Five Thousand Seven Hundred & Ninety Six Only	28980.00
73.00	P&F TP&N 415 V AC-23A front handle operated switch disconnect 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.					
73.01	32 A rating	5.00	Each	1253.00	Rupees One Thousand Two Hundred & Fifty Three Only	6265.00
73.02	63 A rating	5.00	Each	1736.00	Rupees One Thousand Seven Hundred & Thirty Six Only	8680.00
73.03	100/125 A rating	5.00	Each	3675.00	Rupees Three Thousand Six Hundred & Seventy Five Only	18375.00
74.00	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					
74.01	16 A ,240 V	1.00	Each	63.00	Rupees Sixty Three Only	63.00
74.02	16 A ,415 V	1.00	Each	116.00	Rupees One Hundred & Sixteen Only	116.00
74.03	32 A ,240 V	1.00	Each	116.00	Rupees One Hundred & Sixteen Only	116.00
74.04	32 A ,415 V	1.00	Each	140.00	Rupees One Hundred & Forty Only	140.00
74.05	63 A , 415 V	1.00	Each	228.00	Rupees Two Hundred & Twenty Eight Only	228.00
74.06	100 A ,415 V	1.00	Each	413.00	Rupees Four Hundred & Thirteen Only	413.00

75.00	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, II class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.					
75.01	10.0 Sq.mm 2 core	300.00	mtr	137.00	Rupees One Hundred & Thirty Seven Only	41100.00
75.02	16.0 Sq.mm 4 core	150.00	mtr	178.00	Rupees One Hundred & Seventy Eight Only	26700.00
75.03	25.0 Sq.mm 3.5 core	100.00	mtr	208.00	Rupees Two Hundred & Eight Only	20800.00
75.04	50.0 Sq.mm 3.5 core	50.00	mtr	299.00	Rupees Two Hundred & Ninety Nine Only	14950.00
75.05	185.0 Sq.mm 3.5 core	50.00	mtr	917.00	Rupees Nine Hundred & Seventeen Only	45850.00
76.00	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.					
76.01	2 x 10.0 sq.mm	10.00	Per Set	55.00	Rupees Fifty Five Only	550.00
76.02	3.5 x 25.0 sq.mm	5.00	Per Set	114.00	Rupees One Hundred & Fourteen Only	570.00
76.03	3.5 x 50.0 sq.mm	5.00	Per Set	132.00	Rupees One Hundred & Thirty Two Only	660.00
76.04	3.5 x 185.0 sq.mm	5.00	Per Set	395.00	Rupees Three Hundred & Ninety Five Only	1975.00
76.05	4 x 16.0 sq.mm	5.00	Per Set	108.00	Rupees One Hundred & Eight Only	540.00
77.00	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

78.00	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
79.00	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.					
79.01	8 SWG G.I. (Hot Dipped) Wire	200.00	mtr	9.00	Rupees Nine Only	1800.00
79.02	25mm x 3mm G.I. (Hot Dipped) Strip	20.00	mtr	58.00	Rupees Fifty Eight Only	1160.00
80.00	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					
80.01	32mm dia	10.00	mtr	234.00	Rupees Two Hundred & Thirty Four Only	2340.00
80.02	50 mm dia.	10.00	mtr	358.00	Rupees Three Hundred & Fifty Eight Only	3580.00
81.00	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.					
81.01	10 Ltr.	1.00	Each	7488.80	Rupees Seven Thousand Four Hundred & Eighty Eight and Paise Eighty Only	7488.80
81.02	15 Ltr.	1.00	Each	7532.50	Rupees Seven Thousand Five Hundred & Thirty Two and Paise Fifty Only	7532.50

82.00	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.					
82.01	10 Ltr.	1.00	Each	7722.25	Rupees Seven Thousand Seven Hundred & Twenty Two and Paise Twenty Five Only	7722.25
82.02	15 Ltr.	1.00	Each	7762.50	Rupees Seven Thousand Seven Hundred & Sixty Two and Paise Fifty Only	7762.50
82.03	25 Ltr.	1.00	Each	9137.90	Rupees Nine Thousand One Hundred & Thirty Seven and Paise Ninety Only	9137.90
83.00	P & F strip type flourscent 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).					
83.01	1 X 18 Watts with EB	80.00	Each	366.00	Rupees Three Hundred & Sixty Six Only	29280.00
83.02	1 X 36 Watts with EB	80.00	Each	377.00	Rupees Three Hundred & Seventy Seven Only	30160.00
84.00	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).					
84.01	1 X 36 Watts with EB	80.00	Each	855.00	Rupees Eight Hundred & Fifty Five Only	68400.00
84.02	2 X 36 Watts with EB	80.00	Each	1080.00	Rupees One Thousand & Eighty Only	86400.00

85.00	P & F Fluorscent tube rod in existing fixtures as required, Flourscent powder coated (minimum 3 star rating) 18/20 Watts	80.00	Each	59.00	Rupees Fifty Nine Only	4720.00
86.00	P & F Ballast for existing FTL / CFL fixture as required.					
86.01	copper ballast 18/36 Watts suitable for FTL	80.00	Each	270.00	Rupees Two Hundred & Seventy Only	21600.00
86.02	High frequency electronic ballast 14 watts for T5 Lamps	80.00	Each	619.00	Rupees Six Hundred & Nineteen Only	49520.00
87.00	P & F Capacitors for power factor improvement in existing fluorscent lamp fixture as required.					
87.01	4 Mfd 250 V	2.00	Each	124.00	Rupees One Hundred & Twenty Four Only	248.00
87.02	8 Mfd 250 V	2.00	Each	169.00	Rupees One Hundred & Sixty Nine Only	338.00
88.00	P & F starter for existing fluorscent lamp fixture as required. FSU	10.00	Each	11.00	Rupees Eleven Only	110.00
89.00	P & F of surface/ recess mounting CFL luminaire made from powder coated CRCA sheet with aluminium reflector assembly electrochemically brightened and anodized cross louvers, complete with accessories copper ballast, starter, holder, terminal block duly prewired with copper conductor including making connections, testing etc. as required (without lamp)					
89.01	Surface mounting 2 X PL-9/11 Watt	10.00	Each	1294.00	Rupees One Thousand Two Hundred & Ninety Four Only	12940.00
89.02	Surface mounting 2 X PL-18 Watt	100.00	Each	934.00	Rupees Nine Hundred & Thirty Four Only	93400.00
89.03	Recess mounting 2 X PL-9/11 Watt	10.00	Each	1266.00	Rupees One Thousand Two Hundred & Sixty Six Only	12660.00
89.04	Recess mounting 2 X PL-18 Watt	100.00	Each	1125.00	Rupees One Thousand One Hundred & Twenty Five Only	112500.00
90.00	P & F energy efficient / energy saving direct fit (Retrofit) composite self ballasted compact fluorscent lamp (CFL) with PF >0.85 in existing holder / fixture as required.					

90.01	5 Watt	200.00	Each	152.00	Rupees One Hundred & Fifty Two Only	30400.00
90.02	8/9 Watt	200.00	Each	169.00	Rupees One Hundred & Sixty Nine Only	33800.00
90.03	11/13 Watt	100.00	Each	174.00	Rupees One Hundred & Seventy Four Only	17400.00
90.04	14/15 Watt	100.00	Each	180.00	Rupees One Hundred & Eighty Only	18000.00
90.05	18/20 Watt	100.00	Each	236.00	Rupees Two Hundred & Thirty Six Only	23600.00
91.00	S & F of capacitor of 230V/ 275V, 50Hz rating of Usha/ Punsumi/ Priya/ Capital/ JEC/ AMCAP/ CONCAP make					
91.01	Starting capacitor 100-120 micro farad	5.00	Each	291.00	Rupees Two Hundred & Ninety One Only	1455.00
91.02	Running capacitor 2.5/3.15 micro farad	5.00	Each	39.00	Rupees Thirty Nine Only	195.00
91.03	Running capacitor 4.0 micro farad	5.00	Each	51.00	Rupees Fifty One Only	255.00
92.00	S/F of following accessories of Transformer					
92.01	Winding temperature indicator (WTI), Oil temperature indicator (OTI) , Magnetic Oil level Gauge (MOG), Bucholz relay with A & T Contacts & Marshalling Box	1.00	Each	50625.00	Rupees Fifty Thousand Six Hundred & Twenty Five Only	50625.00
92.02	HT CABLE Box (in place of bushing in item no E280100)	1.00	Each	4275.00	Rupees Four Thousand Two Hundred & Seventy Five Only	4275.00
93.00	SITC of battery bank of min 150 AH capacity comprising SMF/VRLA batteries , MS / Teakwood battery stand , interconnect wiring etc as required complete in all respect of rating: 24 V DC	1.00	Each	64125.00	Rupees Sixty Four Thousand One Hundred & Twenty Five Only	64125.00
94.00	P & F IP-66 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made out from powder coated single piece 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) Fixture suitable for HPSV Lamp					
94.01	1 X 150 Watt	2.00	Each	6045.00	Rupees Six Thousand & Forty Five Only	12090.00

94.02	1 X 250 Watt	2.00	Each	6330.00	Rupees Six Thousand Three Hundred & Thirty Only	12660.00
95.00	P & F Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required. HPSV Tubular lamp Normal Output					
95.01	150 Watt 15000 Lumens	2.00	Each	465.00	Rupees Four Hundred & Sixty Five Only	930.00
95.02	250 Watt 28000 Lumens	2.00	Each	550.00	Rupees Five Hundred & Fifty Only	1100.00
96.00	P&F of thermoplastic/ PVC cable junction boxes of following sizes including clamps for holding the box, cost of DIN rail for MCB mounting, connectors for cables terminals, threaded cable glands made of polyamide material etc. complete in all respect. 175mm X 150mm X100mm	2.00	Each	450.00	Rupees Four Hundred & Fifty Only	900.00
97.00	S & F of Street light bracket made out from following size of ' B ' class GI pipe with heavy duty pole clamp, Saddles suitable fastners etc. as required. 32 mm Dia.	10.00	mtr	410.00	Rupees Four Hundred & Ten Only	4100.00
Total Estimated Cost in Figures						2401575.95
Quoted Amount					2401575.95	2401576.00
Quoted Rate in Words		Rupees Twenty Four Lakh One Thousand Five Hundred & Seventy Six Only				