

Tender Notice No. SPV-CETP/JETL/LAYING OF CABLES/2024-25/014, Dt: 06.12.2024

NOTICE INVITING TENDER

FOR

LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES AT JEEDIMETLA EFFLUENT TREATMENT LTD. [JETL], JEEDIMETLA, HYDERABAD, MEDCHAL-MALKAJGIRI DIST. – 500 055, TELANGANA, INDIA.

TENDER DOCUMENT

JEEDIMETLA EFFLUENT TREATMENT LTD.

Plot No.267, Phase-I, IDA, Jeedimetla, Medchal-Malkajgiri Dist., Hyderabad-500055

Ph.No.8886446201/040-23092141

Email : spvcetp@jetltd.org

Price. Rs.500/-

LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES AT JEEDIMETLA EFFLUENT TREATMENT LTD. [JETL], JEEDIMETLA, HYDERABAD, MEDCHAL-MALKAJGIRI DIST. – 500 055, TELANGANA, INDIA.

PUBLISH OF TENDER : 06.12.2024

DATE & TIME OF SUBMISSION OF TENDER : 20.12.2024 BEFORE 5:00 P.M. AT JETL

DATE & TIME OF OPENING OF TENDERS : 21.12.2024

NOTE:

1. Payment should be made online for Tender Cost. Bank details are as follows.

JETL Upgradation Project
Account No. 50200090196051,
Name of the Bank: HDFC Bank Ltd.,
Branch: Ground Floor, Bank House, Roxana Palladium,
Road No. 1, Shyam Rao Nagar, Banjara Hills,
Hyderabad, Telangana – 500034
IFSC Code: HDFC0009817

2. Sealed Tender should be submitted.

1. SUBMISSION OF TENDER:

JEEDIMETLA EFFLUENT TREATMENT LTD.

Plot No.267, Phase-I, IDA, Jeedimetla, Medchal-Malkajgiri Dist.

Hyderabad-500055

Ph.No.8886446201/040-23092141

Email : spvcetp@jetltd.org

1. Name of the Tenderer:

2. Tenderer Address:

3. a. PAN No. of the Firm:

b. GST No:

4. Authorised Representative Name:

Mobile No:

C O N T E N T S

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Letter comprising of quotation for “Laying and Fixing of Electrical Cables & Wires, Cable Trays, LED Lights, Electrical Fittings and Related Accessories” at Jeedimetla Effluent Treatment Ltd. [JETL], Jeedimetla, Hyderabad, Medchal-Malkajgiri Dist. – 500 055, Telangana, India.

To,

The Executive Director
Jeedimetla Effluent Treatment Ltd.
Plot No.267, Phase-I, IDA, Jeedimetla
Medchal-Malkajgiri Dist.
Hyderabad– 500 055
TELANGANA, INDIA

Dear Sir,

1. With reference to your TENDER notice dated 06.12.2024, I have examined the TENDER document and understood its contents. I hereby submit my Technical & Commercial Bid for **“Laying and Fixing of Electrical Cables & Wires, Cable Trays, LED Lights, Electrical Fittings and Related Accessories” at Jeedimetla Effluent Treatment Ltd. [JETL], Jeedimetla, Hyderabad, Medchal-Malkajgiri Dist. – 500 055, Telangana, India.**
2. The Application is unconditional for the said Tender. This bid is valid for a period not less than 30 days.
3. It is acknowledged that the Authority will be relying on the information provided in the tender and the documents accompanying such tender for qualification of the bidders for the above subject project, and we certify that all information provided in the tender and in Annexures is true and correct nothing has been misrepresented and omitted which renders such information misleading and all documents accompanying the bid are true copies of their respective originals.
4. This statement is made for the express purpose of the above-mentioned subject.
5. We shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Qualification statement.
6. We acknowledge the right of the Authority to reject our bid without assigning any reason or otherwise and hereby relinquish, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
7. It is declared that:
 - (a) We have examined and have no reservations to the Tender document.
 - (b) We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Bid or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State.
8. It is understood that the JETL may cancel the Bidding Process at any time without incurring any liability to the JETL and that you are neither bound to invite the applicants to Bid for the Project nor to accept any bid that you may receive.
9. It is certified that we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.

10. It is further certified that no investigation by any regulatory agency is pending against us.

11. We hereby irrevocably relinquish any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of bidders, selection of the Tenderer, or in connection with the selection/Bidding Process itself, in respect of the above-mentioned Project and the terms and implementation thereof.

12. We agree to undertake to abide by all the terms and conditions of the TENDER document.

13. We agree to undertake to be liable for all the obligations of the Tenderer under the agreement. In witness thereof, we submit this application under and in accordance with the terms of the TENDER document.

Yours Truly

(Signature, name and designation of the Authorized Signatory)

Place: Name and seal of the Bidder/Lead Member

JETL, Hyderabad invites sealed tenders from potential and reputed manufacturers, companies authorized for the **“Laying and Fixing of Electrical Cables & Wires, Cable Trays, LED Lights, Electrical Fittings and Related Accessories”** at Jeedimetla Effluent Treatment Ltd. [JETL], Jeedimetla, Hyderabad, Medchal-Malkajgiri Dist. – 500 055, Telangana, India.

S.No.	Name of Work	Tender Cost
1	“LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES” AT JEEDIMETLA EFFLUENT TREATMENT LTD. [JETL], JEEDIMETLA, HYDERABAD, MEDCHAL-MALKAJGIRI DIST. – 500 055, TELANGANA, INDIA.	Rs. 500/- (Rupees Five Hundred only)

Note:

1. Publish of Tender: 06.12.2024
2. Last Date & Time for submission of Tenders: 20.12.2024 at 5:00PM.
3. Opening of Tender: 21.12.2024
4. Tender Committee will select the eligible and qualified bids and Tender Committee decision will be final.
5. Tender Cost Rs. 500/- (Non-refundable) to be submitted in the form of DD in favour of Jeedimetla Effluent Treatment Ltd., Payable at Hyderabad.
6. Period of Contract: 30 days from date of entering into agreement
7. JETL reserves the right to reject or accept the tender in part or in full without assigning any reason.
8. JETL have sole discretion can postpone/ advance or cancel the tender.
9. The dates mentioned above by any reason falls on holiday the next working day shall be considered.

-Sd/-

EXECUTIVE DIRECTOR

JEEDIMETLA EFFLUENT TREATMENT LTD.

Plot No.267, Phase-I, IDA, Jeedimetla, Medchal-Malkajgiri Dist., Hyderabad-500055

Ph.No.8886446201/040-23092141

Email : spvcetp@jetltd.org

JEEDIMETLA EFFLUENT TREATMENT LTD:

Schedule – 1

General Terms & Conditions:

1.0 PREFACE:

1.1 The Jeedimetla Effluent Treatment Ltd. (JETL), Hyderabad invites tender for **“Laying and Fixing of Electrical Cables & Wires, Cable Trays, LED Lights, Electrical Fittings and Related Accessories” at Jeedimetla Effluent Treatment Ltd. [JETL], Jeedimetla, Hyderabad, Medchal-Malkajgiri Dist. – 500 055, Telangana, India** from the reputed and long-standing Contractors

1.2 The Executive Director, JETL, reserves the right to accept or reject any or all the tenders in full or part thereof, which in his opinion, justifies such action, without further explanation to the Tenderer.

2.0. Definition of Terms:

In the contract documents as here in defined where the context so admits, the following words and expressions will have the following meanings:

2.1 JETL shall mean Jeedimetla Effluent Treatment Limited or their duly authorized representatives.

2.2 Officer-in-Charge shall mean the in-charge officer at the plant or his representative.

2.3 Purchaser shall mean JETL.

2.4 Tenderer shall mean the firm/party/individual/manufacturer who quotes against this enquiry.

2.5 Contract price mean the price referred to in against the corresponding item quoted.

2.6 Notice in writing or ‘Writing notice’ shall mean a notice in written typed and printed characters sent (unless delivered personally or otherwise proved to have been received) by registered post to the last known private or business address or registered office of the address and shall be deemed to have been received when in the ordinary course of post it would have been delivered.

2.7 “This Contract” shall mean the Articles of Agreement, the conditions, the Appendix, the Schedule of Quantities and / or specification attached hereto and duly signed.

2.8 The “Site” means the areas on which the permanent works are to be executed or carried out and any other places provided by the JETL for purpose of the Contract.

2.9 Month shall mean Calendar month.

2.10 “The Tenderer” shall mean the successful Tenderer to whom an order of supply is issued by the JETL.

2.11 “The Supply” shall mean the supply to be made in accordance with the Contract or part thereof as the case may be and shall include extra, additional, altered or substituted supply as required for purpose of the contract.

2.12 “The Make” shall mean the original company from where the particular material has been originated and manufactured.

2.13 “The Quantity” shall mean the units in Numbers/Length/Weight, the equipment is measured.

2.14 “The Specification” shall mean the various technical specifications attached and referred to in the tender documents. It shall also include the latest editions including all addenda/corrigenda, of relevant Indian Standard Specifications, specification of any other country published before entering into contract.

2.15 The "Completion Certificate" shall mean the Certificate to be issued by the Officer in-Charge after due inspection in respect of quantity, quality, make and specifications of the spares supplied by the Tenderer.

2.16 The "Period of Liability" in relation to spares equipment the specificised period from the date of supply and to the end of warranty period during which the Tenderer stands responsible for replacement of the defect spare.

3.0 Submission of Tender:

3.1 Tenders must be submitted at JETL. Reservations, if any, regarding the tender conditions and schedule of rates should be clearly brought in a separate letter.

3.2 Addenda/Corrigenda to this tender, documents, if issued, must be signed and submitted along with the Tender document. The Tenderer should write clearly the revised quantities in schedule of rates of tender document and should price the supply based on revised quantities when amendments for quantities are issued in addenda.

3.3 Covering letter along with its enclosures accompanying the tender document and all further correspondence shall be submitted in duplicate.

3.4 The Tenders, as submitted, will consist of the following:

i. Complete set of tender documents downloaded from JETL website duly filled in and signed by the Tenderer as prescribed in different clauses of the tender documents.

3.5 All Pages to be signed in Tender documents, shall be a dated as well as all the pages of all sections of tender documents shall initiated at the lower left hand corner and signed wherever required in the tender papers by the Tenderer or Authorized Representative.

3.6 Rates to be in figures and words. The Tenderer should quote in English both in figures as well as in words, the rates and amounts tendered by him in the schedule of rates for each item and in such a way that insertion is not possible. The amount for each item should be worked out and entered and requisite total given of all items both in figures and words. The tendered amount for the supply shall be entered in the tender and duly signed by the Tenderer.

3.7 Corrections & Erasures:

All corrections, and alterations in the entries of tender papers will be signed in full by the Tenderer with date. No erasures or over-writings are permissible.

3.8 Tenderers should state in their offers the address to which the orders, notices and correspondence relating to the tender are to be sent. Any change of address should be notified to Jeedimetla Effluent Treatment Limited, and correspondence thereafter will be done with the state address.

3.9 The acceptance of tender and award of purchase order to one or more than one Tenderer if considered necessary will rest with the JETL who does not bind himself to accept the lowest tender. JETL reserves the right to reject any or all the offers received without assigning any reasons and no explanation can be demanded of the cause of rejection of his tender by any tenderer.

3.10 The tender documents in which tender submitted by a Tenderer shall become the property of the JETL and the JETL shall have no obligation to return the same to the tenderer.

3.11 Tenderer shall write all rates both in figures and words. In case of any discrepancy rate in words will be taken as true rate.

3.12 For any clarification regarding the tender or nature or scope of work, the office of JETL, Hyderabad may be contacted during office hours between 10 am to 5 pm on any working day.

3.13 Negligence of the bidder in preparing bid confers no right to withdraw the bid after it was opened.

4.0 Transfer of Tender Document:

Transfer of tender documents purchased by one intending tenderer to another is not permissible.

5.0 Price:

5.1 Price offered by the tenderer should be firm and free from escalations. The prices offered should be valid for a period of 30 days from the date of tender opening.

5.2 Price Quoted should be Exclusive of GST.

6.0 Liquidated Damages:

6.1 1% value of the undelivered portion of the incomplete work for each week of delay beyond the scheduled delivery date.

6.2 The total amount so deducted shall not exceed 5% of the work order value. Once the maximum is reached, the purchaser may consider termination of the contract.

7.0 Termination:

7.1 The purchaser may without prejudice to any other remedy for breach of work order by written notice of default sent to the Tenderer, terminate the order in whole or in part:

7.2 If the Tenderer fails to perform any other obligation under the contract.

7.3 Consequent to such termination of work order, the purchaser shall recover the advance paid, if any, to the Tenderer along with the interest @18% per annum compounded quarterly on the last day of March, June, September and December on the advance paid for the entire period for which the advance was retained by supplier.

7.4 The purchaser may at any time terminate the contract by giving written notice to the Tenderer, without compensation to the Tenderer.

8.0 Force Majeure:

8.1 For the purpose of this clause, "Force Majeure" means an event beyond the control of the Tenderer and not involving the Tenderer's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Federation either in its sovereign or contractual capacity, wars or revolutions, fires floods, epidemics, riots, terrorism and all acts of God.

8.2 If a Force Majeure situation arises, the Tenderer shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchase in writing, the Tenderer shall continue to perform its obligation under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

9.0 Extension of time for completion:

Should the supply of extra or additional items or services of any kind be any cause of delay referred to in these conditions, or exceptional adverse climatic conditions or other special circumstances of any kind whatsoever which may occur, be such as fairly to entitle the Tenderer to an extension of time for the completion of the supplies, the supplier shall determine the amount of such extension and shall notify the Tenderer accordingly. Provided that the supplier is not bound to take into

account any extra or additional supplies or services or other special circumstances unless the Tenderer has within twenty-eight days after such work has been commence, or such circumstances have arisen, or as soon thereafter as in practicable submitted to the purchaser full and detailed particulars of any extension of time to which he may consider himself entitled in order that such submission may be investigated at the time.

10.0 Eligibility Criteria:

S. No.	Description
1	Bidder should have experience in successful completion of similar works (i.e. laying of Cables, Terminations, Cable Trays etc.). Value of the works carried not less than Rs.6.00 Lakhs in any financial year during last 5 years.
2	Documentary proof (copies of WOs) for the above qualifying criterion should be submitted along with your offer duly signed by authorized signatory of your company.

The Tenderer has to attach the above Details of Document on Firm / Company Letter Head and should submit the Tender Document.

11.0 Terms of Payment:

The terms of payment applicable to the contract will be as Stated below:

The Payments will be released in 2 stages.

- a) 1st stage after completion of about 50% of the work.
- b) Balance 50% of the amount 15 days after completion of the total work and certified by the Sr. Manager (Maintenance), JETL.

12.0 Work Completion Period:

Total work to be completed including laying of cables, terminations, fixing of cable trays with supports etc. as defined in the technical specifications sheet within 30 days from the date of entering into an agreement.

13.0 Safety

The Contractor shall be responsible for the safety of all the personnel working and activities on the site and has to follow all the safety rules of the Company (JETL).

14.0 Insurance:

The Tenderer shall deposit the original group accidental policy/policies and original receipts for the premium with the Employer within 10 (ten) days from the date of signing the contract/commencement of execution of works or unless otherwise instructed by the Employer.

15.0 General:

- i) In case the Tenderer to procure materials for execution in time or if the Client feels the progress is delayed due to non-availability of materials at site, the client shall arrange to supply the required materials at site and the full procured cost of materials shall be deducted from the Tenderer's bill.
- ii) The Tenderer shall not have the option to refuse to take delivery of the stores mentioned above, and offered to him. No claim on this account shall be entertained.
- iii) All incidental charges for cartage at the site unloading, storage and safe custody of materials shall be borne by the Tenderer.

16.0 Jurisdiction Clause:

Any legal dispute arising out of the resultant contract will be subject to the jurisdiction of the Hyderabad & Secunderabad Courts, if the same cannot be resolved by mutual consent.

Schedule-II

1.0 Special Conditions:

- i. Work should be carried out as directed by Sr. Manager (Maintenance).
- ii. Welding rod should of Advani / ESAB make only used for the welding of cable tray supports
- iii. The tenderer has to participate fully in the tender.
- iv. The Tenderer should accept for third party inspections appointed by the JETL.
- v. The Successful Tenderer will be issued LOI for the contract.

Schedule-III

LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES" AT JEEDIMETLA EFFLUENT TREATMENT LTD. [JETL], JEEDIMETLA, HYDERABAD, MEDCHAL-MALKAJGIRI DIST. – 500 055, TELANGANA, INDIA.

Laying of Cables

Scope

This specification is intended to cover the requirements of installation and energizing of Pvc/XLPE power & control cables including joining of cables.

Standards

The Power cable and its fixing accessories shall comply with the latest relevant Indian Standards and National Electrical Code.

General

Before the commencement of cable laying, it shall be ensured by the Engineering-Charge that only ISI marked cables are used. It shall be the responsibility of the Tenderer to check the soundness and correctness of the size of the cable while taking delivery of the cable from stores. Any defect noticed shall be brought to the notice of the issuing authorities immediately. If any defects are noticed after the cable is laid or during the process of laying, the same shall be brought to the notice of the Engineer-in-Charge and upon his satisfaction, the cable is not damaged due to bad handling, it will be the entire responsibility of the Tenderer to retrieve the cable already laid and return the defective cable to store and take fresh length of the cable from the store and re-lay the same.

The material such as bricks, sand, cable route markers, RCC slab of best quality as approved by the Engineer-in-Charge only shall be used for cable laying works.

The Tenderer shall provide the necessary labour, tools, plants and other requisites at his own cost for carrying out pumping of water and removing of water from trenches, if any, wherever it is required.

Installation shall be carried out in a neat, workman like manner by skilled, experienced and competent workman in accordance with standard practices.

While laying the cable, care shall be taken to avoid formation of kinks and also damage to the cable. In the case cable bends, it shall not have bent radius lesser than 20 times the overall diameter of the cable.

A cable-loop of about five meters length and as directed by the Engineer-in-Charge shall be provided at the following locations.

- a) Near the termination points
- b) Near to the straight through joint

The method of cable laying and routing of cables, shall in every case be as directed by the Engineer-in-Charge / consultant.

Whenever cable passes through Hume pipes/GI pipes embedded across the wall in a building, both the ends of the pipe shall be suitably sealed.

Identification tags indicating the size of the cable and feeder designation shall be securely attached at both ends of the cable. Such tags shall also be attached to the cable at intervals of 250 Meters. The materials of the tag shall be of either 12 SWG GI sheet or plastic. In case of plastic, the details have to be engraved and in case of GI sheet, the details should be punched. Cable route markers shall be provided at the intervals of 200M with a minimum of one number route marker. The details of the route makers shall be as per the drawing. At the locations of straight through joints, necessary joint-markers shall be provided.

When cable runs vertically, it shall be clamped on mild steel flats or angle iron fixed on walls and are spaced at such intervals as to prevent buckling of the cables. All steel work shall be painted with a coat of red oxide and thereafter finished with suitable anti- corrosive paints.

Cables laid in built up Cable Tray

Before the commencement of cable laying the cable tray shall be drained properly. Cable shall be properly clamped to the cable supports, which are provided in the cable tray. The method of clamping shall suit the size of the cable and the cable supports, which are provided in the cable tray. The method of clamping shall suit the size of the cable and the cable supports, as directed by the Engineer-in-Charge. Care shall be taken while removing and replacing the tray cover slab. It is the responsibility of the Tenderer to make good any damaged tray covers.

Cable Terminations and Straight Through Joints

All cable joining materials such as straight through joint boxes, cable compound, cable lugs, insulation tapes etc. shall be of best quality and as approved by the Engineer-in-Charge.

Cable glands for strip / armoured cables shall include a suitable armoured clamp for receiving and securely attaching the armouring of the cable in a manner such that no movement of the armour occurs when the assembly is subjected to tension forces. The cable gland shall not impose on the armouring, a bending radius not less than the diameter of the cable. The clamping ring shall be solid and of adequate strength. Provision shall be made for attachment of an external earthing bond between the metallic covering of the cable and the metallic structure of the apparatus to which the cable box is attached.

Sealing boxes

All parts and connection for attaching the armouring, wiping or clamping the metallic sheath in a sealing box, shall be easily accessible. This may be achieved by splitting the box or by providing a suitable cover or other such means.

The joints in the box shall prevent leakage of the compound.

Provision shall be made to ensure that the cores of the cable are efficiently sealed to prevent moisture penetrating along the strands or the cable conductors.

The sealing box shall be provided with compound filling orifices with suitable covers or plugs of size that will permit easy pouring of the compound.

In all cases where screwed plugs are used, one or more air vents shall be provided to ensure complete expulsion of air and total filling of the box with compound.

The box shall be of sufficient length to allow for manipulation of the insulated cover without damage to them or to the insulation.

A sealing box intended to be attached directly to the apparatus shall be designed such that the box together with the connected cable may be detached from the apparatus without disturbing the sealing compound.

Cable sealing and dividing boxes intended for use in the flame-proof areas shall comply additionally with the relevant requirements of IS:2148-1968.

Testing

Once cable is laid, following tests shall be conducted in the presence of Engineer-in-Charge, before energising the cable:

- 1) Insulation resistance test (Sectional and Overall).
- 2) Sheathing continuity test.
- 3) Continuity and conductor resistance test.
- 4) Earth test.
- 5) High voltage test.

Tests conducted shall be as per Indian Standards and National Electrical Code.

Earthing

All equipment shall be earthed at two distinct locations.

A continuous earth bus shall be provided for the MCC at the bottom with an earthing bolt at each end.

The earth bus shall be of Aluminium having the same size as that of neutral bus bar.

The MCC are to be connected with the existing earth grid with the help of 50x6 mm hot dip GI flat/strip

Labels

A designation plate for the MCC shall be affixed at approximately the centre of the MCC (length wise) with letters not less than 25 mm.

Inscriptions plates shall be provided for all units mounted on the door indicating the purpose with minimum 5 mm high letters.

Each component shall be clearly labelled as per schematics. All inscription shall be on black traffolite sheets/black anodised aluminium plat with white lettering.

Danger notice board

REQUIREMENTS ARE ATTACHED AS AN ANNEXURE - I

PRICE SCHEDULE

LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES” AT JEEDIMETLA EFFLUENT TREATMENT LTD. [JETL], JEEDIMETLA, HYDERABAD, MEDCHAL-MALKAJGIRI DIST. – 500 055, TELANGANA, INDIA.

S.No.	DESCRIPTION OF THE ITEM	UNITS	QTY.	PRICE, Rs.		TOTAL AMOUNT, Rs.	
				In Figures	In Words	In Figures	In Words
	ARMORED CABLES						
1	1.5 sq mm X 3C X Copper Armored Cable	mtrs.	7000				
2	1.5 sq mm X 4C X Copper Armored Cable	mtrs.	600				
3	2.5 sq mm X 3C X Copper Armored Cable	mtrs.	4500				
4	2.5 sq mm X 4C X Copper Armored Cable	mtrs.	2100				
5	4.0 sq mm X 3C X Copper Armored Cable	mtrs.	250				
6	4.0 sq mm X 4C X Copper Armored Cable	mtrs.	400				
7	6.0 sq mm X 3C X Copper Armored Cable	mtrs.	2000				
8	95 sq mm X 3.5C X Aluminium Armored Cable	mtrs.	275				
9	185 sq mm X 3.5C X Aluminium Armored Cable	mtrs.	1100				
10	240 sq mm X 3.5C X Aluminium Armored Cable	mtrs.	860				
11	300sqmm X 3.5C X Aluminium Armored Cable	mtrs.	260				
12	1.5 sq mm X 3C Flexible Copper Cables	mtrs.	100				
13	2.5 sq mm X 3C Flexible Copper Cables	mtrs.	100				
	DOUBLE COMPRESSION GLANDS (FLP) of make DOWELS/Equalent						
1	16mm	Nos.	200				
2	19mm	Nos.	200				
3	22mm	Nos.	30				
4	25mm	Nos.	30				
5	45mm	Nos.	10				

6	50mm	Nos.	20				
7	63mm	Nos.	10				
8	70mm	Nos.	20				
LUGS of make DOWELS/Equalent							
1	4 sqmm Copper Ring type heavy duty 8mm hole	Nos.	300				
2	50 sqmm, Aluminium ring, 10 mm hole	Nos.	20				
3	95 sqmm, Aluminium ring, 10 mm hole	Nos.	50				
4	120 sq mm, Aluminium ring, 10 mm hole	Nos.	15				
5	150 sq mm, Aluminium ring, 10 mm hole	Nos.	15				
6	185 sqm, Aluminium ring, 10 mm hole	Nos.	60				
7	240 sqm, Aluminium ring, 10 mm hole	Nos.	30				
8	300 sqm, Aluminium ring, 10 mm hole	Nos.	30				
GI PERFORATED CABLE TRAYS of 2.5MM THICK WITH JOINT PLATES							
1	50mm x 50mm	mtrs.	200				
2	100mm x 50mm	mtrs.	250				
3	150mm x 50mm	mtrs.	150				
4	200mm x 50mm	mtrs.	100				
5	300mm x 50mm	mtrs.	100				
6	500mm x 50mm	mtrs.	600				
EARTHING FLATS & ELECTRODES							
1	50mm x 6mm GI flat	mtrs.	100				
2	40mm x 6mm GI flat	mtrs.	200				
3	25mm x 6mm GI flat	mtrs.	200				
4	500mm x 500mm x 5mm thick GI plate	Nos.	10				
5	50NB C Class GI pipe	mtrs.	60				
LIGHT FITTINGS OF MAKE PANASONIC/PHILIPS/CAPART							
1	30W LED Outdoor lights	Nos.	20				
2	50W LED Outdoor lights	Nos.	20				
3	100W LED Outdoor lights	Nos.	50				
4	150W LED Outdoor lights	Nos.	20				
5	40W LED Indoor Tube light	Nos.	20				
6	36W LED Round false Ceiling lights	Nos.	20				
Total Amount							

TECHNICAL SPECIFICATIONS FOR LAYING AND FIXING OF ELECTRICAL CABLES & WIRES, CABLE TRAYS, LED LIGHTS, ELECTRICAL FITTINGS AND RELATED ACCESSORIES

- a Laying of 1100 Volts grade Aluminium / Copper conductor XLPE insulated, PVC sheathed, around and overall PVC Sheathed strictly as per IS-1554, Part-I. Make- Polycab (IS 7098)
- b Laying of Multy strand wires (Fire Resistant -Low Smoke) for lights & Fans with PVC conduit pipes / casing & capping, fixing of Lighting Distribution Boards (LDB) etc. as per the standard procedure.
- c Fixing of GI Cable Trays with Joint Plates as per the layout and standard procedure.
- d Fixing of LED lights (Indoor & Outdoor), fixing of false ceiling lights as per the layout and standard procedure.
- e Dressing of Cables, Termination, fixing of glands, labelling cables etc. as per the standard procedure
- f Laying & fixing of earth flats and charging of Earthpits as per the layout and standard procedure.

S. No.	DESCRIPTION OF THE ITEM	UNITS	QTY.
	ARMORED CABLES		
1	1.5 sqmm X 3C X Copper Armored Cable	mtrs.	7000
2	1.5 sqmm X 4C X Copper Armored Cable	mtrs.	600
3	2.5 sqmm X 3C X Copper Armored Cable	mtrs.	4500
4	2.5 sqmm X 4C X Copper Armored Cable	mtrs.	2100
5	4.0 sqmm X 3C X Copper Armored Cable	mtrs.	250
6	4.0 sqmm X 4C X Copper Armored Cable	mtrs.	400
7	6.0 sqmm X 3C X Copper Armored Cable	mtrs.	2000
8	95 sqmm X 3.5C X Aluminium Armored Cable	mtrs.	275
9	185 sqmm X 3.5C X Aluminium Armored Cable	mtrs.	1100
10	240 sqmm X 3.5C X Aluminium Armored Cable	mtrs.	860
11	300sqmm X 3.5C X Aluminium Armored Cable	mtrs.	260
12	1.5 sqmm X 3C Flexible Copper Cables	mtrs.	100
13	2.5 sqmm X 3C Flexible Copper Cables	mtrs.	100
	DOUBLE COMPRESSION GLANDS (FLP) of make DOWELS/Equalent		
1	16mm	Nos.	200
2	19mm	Nos.	200
3	22mm	Nos.	30
4	25mm	Nos.	30
5	45mm	Nos.	10
6	50mm	Nos.	20
7	63mm	Nos.	10
8	70mm	Nos.	20

LUGS of make DOWELS/Equivalent			
1	4 sqmm Copper Ring type heavy duty 8mm hole	Nos.	300
2	50 sqmm, Aluminium ring , 10 mm hole	Nos.	20
3	95 sqmm, Aluminium ring , 10 mm hole	Nos.	50
4	120 sq mm, Aluminium ring , 10 mm hole	Nos.	15
5	150 sq mm, Aluminium ring , 10 mm hole	Nos.	15
6	185 sqmm, Aluminium ring , 10 mm hole	Nos.	60
7	240 sqmm, Aluminium ring , 10 mm hole	Nos.	30
8	300 sqmm, Aluminium ring , 10 mm hole	Nos.	30
GI PERFORATED CABLE TRAYS of 2.5MM THICK WITH JOINT PLATES			
1	50mm x 50mm	mtrs.	200
2	100mm x 50mm	mtrs.	250
3	150mm x 50mm	mtrs.	150
4	200mm x 50mm	mtrs.	100
5	300mm x 50mm	mtrs.	100
6	500mm x 50mm	mtrs.	600
EARTHING FLATS & ELECTRODES			
1	50mm x 6mm GI flat	mtrs.	100
2	40mm x 6mm GI flat	mtrs.	200
3	25mm x 6mm GI flat	mtrs.	200
4	500mm x 500mm x 5mm thick GI plate	Nos.	10
5	50NB C Class GI pipe	mtrs.	60
LIGHT FITTINGS OF MAKE PANASONIC/PHILIPS/CAPART			
1	30W LED Outdoor lights	Nos.	20
2	50W LED Outdoor lights	Nos.	20
3	100W LED Outdoor lights	Nos.	50
4	150W LED Outdoor lights	Nos.	20
5	40W LED Indoor Tube light	Nos.	20
6	36W LED Round false Ceiling lights	Nos.	20