

BID DOCUMENT
FOR

Supply, installation, testing & commissioning(SITC) of air conditioner& Street
Light work at

National Law University, Jodhpur

Total Number of pages:23(Twenty Three)

S.no	Particulars	Details
1	Name of the firm	
2	Complete address	
3	Email ID OF FIRM	
4	Mobile Number	
5	Permanent account number (PAN)	
6	GST NUMBER OF FIRM	
7	EARNEST MONEY	Rs.23,000/-
8	EARNEST MONEY DETAILS	BANK NAME:- DD NUMBER:-
9	Date of submission of tender	13/04/2026 UPTO 2.00 P.M.
10	Date of opening of technical bid	13/04/2026 AT 2.30 P.M.
11	Authorized Signatory	

Check List of Documents:-

S.No	Particulars	Page No
1	<p>Technical bid in sealed cover super scribed as “Technical Bid” with all required parameters as follows:-</p> <p>(A) Filled in bid document duly signed and stamped at the bottom of each page.</p> <p>(B) Annexure ‘C’ (CONSENT FOR TECHNICAL SPECIFICATIONS)</p> <p>(C) Demand Draft of Rs.23,000/- submitted as Earnest Money</p> <p>(D) Copy of the Income Tax PAN card of the company/ Firm</p> <p>(E) Copy of valid GST Registration of company/ firm</p> <p>(F) Notarized self certification for not being debarred/blacklisted as per Annexure”A”.</p> <p>(G) Completion certificate of ELECTRICAL work(i.e new construction,repairing,renovation,work) of (I)Single work at least Rs 5.00 lacs in any Government Department or any reputed educational institution in one financial year out of financial years i.e 2021-22,2022-23,2023-24,2024-25,2025-26.</p> <p>(H) The bidder must have a turnover of at least Rs 5.00 lacs each in any three financial years (out of last five financial years :- 2021-22 to 2025-26)Bidder must submit a certificate of turnover issued by a Chartered Accountant (format annexed at “B”)</p> <p>(I) The firm/contractor must have digital electrical license from the Govt.Department.</p> <p>(J)All electrical material used should have NABL Testing certificate.</p>	
2	Price bid in Annexure D in separate sealed cover super scribed as “Financial Bid”	

DETAILS OF TENDER CALL NOTICE

Sealed bids are invited for SITC of air conditioner with electrical wiring work at various buildings at National Law University, Jodhpur.

Sl.No	Item	Quantity
1	SITC of air conditioner & street light work at National Law University, Jodhpur.	As mentioned in schedule

Bid document for the above work can be obtained from the office of Registrar NLU, Mandore Road, Jodhpur, Rajasthan on all working days in between 10.00 A.M. to 5.00 P.M.. The bid documents can also be downloaded from University's Website (www.nlujodhpur.ac.in/tenders.php).

Bids will be received up to 2.00 P.M. of 13/04/2026 and the technical bid will be opened on the same day at 2.30P.M in presence of the bidders or their authorized representatives if any. Opening date and time of financial bid shall be communicated subsequently after assessing the suitability and eligibility of the bidders.

1. Scope of Work:-

1.1 Providing, fixing, testing & installation of air conditioner and electrical wiring work at class rooms at NLUJ.

1.2 Providing, fixing, testing & installation of Street lightwork at NLUJ.

1.3 Successful bidder shall be required to execute the complete work within 45 days from issue of work order.

1.4 The contractor shall be responsible for rectification of defects for a period of 12 months from date of completion.

2. Eligibility Criteria

The bidding concern must fulfill all the following criteria for techno-commercial qualification of the tender.

2.1 The Bidder must have valid PAN, GST number. (attach document)

2.2 The firm must not have been debarred / blacklisted by any Govt. Deptt, agency, PSUs / institution / agencies / autonomous organisations. The bidder shall submit a self certification by an authorized person duly notarized to this effect.(attach self declaration certificate duly notary attested) in the prescribed format attached as Annexure "A".

2.3 Completion certificate of electrical work(i.e new construction,repairing, renovation,work) of (I)Single work at least Rs 5.00 lacs in any Government Department or any reputed educational institution in one financial year out of financial years i.e 2021-22,2022-23,2023-24,2024-25,2025-26

2.4 The firm/contractor must have digital electrical license from the Govt.Department.

2.5 All electrical material used should have NABL Testing certificate.

3. INSTRUCTIONS TO BIDDERS

3.1 A Bidder can submit a single bid only.

3.2 Incomplete, telegraphic or conditional bids shall not be accepted.

3.3 The contractor /firm shall not be allowed to transfer, assign, pledge or sub-contract work order/supply order under this contract to any other agency.

3.4 Prices quoted must be firm and fixed. No price variation / escalation shall be allowed during process of completion of the project.

3.5 The approved rate may be considered for future requirement with the consent of both the parties.

- 3.6 The bidders must sign at the bottom of each page of the bid documents at the time of submission in token of unconditional acceptance of the terms and conditions, technical specifications etc.
- 3.7 Valid GSTIN certificate / e-submission document duly self attested must be submitted along with the bid.
- 3.8 Deviations in terms and conditions, Specification of material, Inspection clause etc. will not be accepted under any condition.
- 3.9 Bids received late due to postal delay or otherwise will not be considered.
- 3.10 The bidders are required to furnish their offers in the price bid both in words & figures. In case of corrections ,if any, the original text/numerical must be clearly crossed out and re-written legibly above, below or on the side of the crossed out characters as per availability of space and the authorized person must put his dated initial under such corrections. In case of any conflict between figures and words, the lower rate shall prevail. In case of any error in calculation, corrected amount will be considered for calculation of lowest bidder
- 3.11 Since timely execution of works is of paramount importance, requests for extension of time shall not be entertained.
- 3.12 Canvassing in any manner shall not be entertained and will be viewed seriously leading to rejection of the bid.
- 3.13 University reserves its right to modify the bid document/details by way of amendment .Notification for Such amendment shall be notified only on university website, therefore bidders are advised to visit university website time to time.
- 3.14 Bids will be accepted & will be opened as per information mentioned in the notice-inviting tender. No receipt against submission of bid shall be issued by NLU, Jodhpur.
- 3.15 The last date of receipt of the bid is 13/4/26 upto 2.00 P.M. Sealed tenders may only be dropped in the specified tender box kept in the Office of Registrar, NLU Jodhpur during office hours on working days. Bids received after due date & time will not be considered. If due to any

reason the due date is declared as a holiday the bid will be opened on next working day at the same time.

- 3.16 The technical bid shall be opened on 13/04/26 at 2.30P.M. in the office of Registrar, NLU Jodhpur, in presence of such bidders or their authorized representatives, who are present at the time of opening.

(The bid document should be submitted in two parts as detailed below:

3.16.1 Bids should be submitted in two separate sealed envelope as mentioned below & addressed to the Registrar, NLU Jodhpur, inside a sealed envelope super-scribed "Bid for Painting & repairing workshould contain Technical Bid as per Annexure – Cprescribed Firm Registration certificate, decleration in lieu of Earnest Money, Technical Specification, GST Registration , Commercial terms & conditions, notarized undertaking as per ANNEXURE "A" ,other bid documents duly signed & sealed, It should be super-scribed with **Part-1 Technical Bid "**. All the papers of bid documents except the price bid duly signed should be submitted in the first envelope.

3.16.2 Second sealed envelope (part-II) should contain Price bid as per Annexure –D in a separate sealed envelope. It should be super-scribed with **"PART II Price Bid"**. Any condition in regard to financial aspects, payments, terms of rebate etc beyond the prescribed financial terms of NLU, Jodhpur will make the bid invalid. Therefore it is in the interest of the bidders not to write anything extra in the Price Bid in Annexure-C except price.

- 3.17 The procedure of opening of the bid shall be as under

3.17.1.First envelope **"PART-1 Technical Bid"** shall be opened at the time & date mentioned in the bid notice by NLU, Jodhpur representative in the presence of bidders, who choose to be present.

3.17.2 Second envelope (part-II) containing Price bid shall be opened after evaluation of technical-commercial suitability of the offer by assessing responsiveness in line with the requirements mentioned in the bid document. The time for opening of second envelope (Price bid) shall be informed separately after assessing and evaluation of technical bid. Second envelope of price bid only those bidders shall be opened who qualify in the technical bid. If necessary, the firms may be called for Technical Presentation of their product as per the time intimated by NLU, Jodhpur.

- 3.18 **Successful bidder shall be calculated on the basis of total cost of all items as mentioned in technical bid .**
- 3.19 In case of supply/use of any defective material or substandard material, the materials will be rejected & it will be the responsibility of the supplier for taking back & replacing the rejected materials at their own cost. In case of non-lifting of such rejected materials within a reasonable time offered by the office it will have the right to suitably dispose off the same and forfeit the amount.
- 3.20 The supplied materials/execution of work should strictly comply with the specifications as mentioned in the bid, otherwise the material would be liable for rejection.
- 3.21 Any clarification on the technical specification and commercial terms and conditions may be clarified in writing from NLU, Jodhpur
- 3.22 Deviation of any commercial terms and condition and technical specification shall not be entertained under no circumstances.
- 3.23 Bidders may in their own interest visit the sites and undertake site visit before submitting bids. NLU, Jodhpur will not be responsible for any incidental or consequential losses of the firms while execution and till expiry of the period of maintenance.
- 3.24 The contractor shall abide by all laws, rules and regulations framed there under or any other statutory obligations which are in force from time to time. The contractor/firm shall indemnify the Institute from any claims in this regards.
- 3.25 Any losses sustained by Institute due to negligence of contractor's service in the form of loss/damage of property, will be recoverable from the contractor, as the money value shall be estimated by the Institute. The decision of the institute in this regard will be final and binding on the contractor/firm.
- 3.26 The Contractor/firm will adopt all safety measures /precautions while executing the work/supply. In case of any accident /causality of any personnel, involved in work/supply the complete responsibility will be borne by the contractor/firm himself and University will not be held responsible for any claim/compensation.

3.27 University may take clarification from bidder or any other and may take appropriate decision accordingly. The decision of University shall be final and binding to all.

3.28 NLU, Jodhpur does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected

3.29 The NLU, Jodhpur reserves its right to reject/accept any or reject all tenders at any time without assigning any reason thereof. It shall be without any liability towards the bidder.

3.30 The firm/contractor will adopt all safety measures /precautions while executing the work in relation to all material, equipment and accessories etc. University will not be responsible for any loss, theft, damage etc for any reason

3.31 All the labour must be police verified and the contractor must be responsible for their conduct and behaviour in the university campus. A verified list of all workmen and supervisors on a letterhead (along with copies of ID proof) shall be submitted at the main gate for smooth permission for entry/exit.

3.32 The firm has to Eco-friendly dispose of waste material and compliance with Nagar Nigam Jodhpur regulations for the same. If waste material is not disposed of, the same will be cleared and the expenditure will be deducted from the final bill amount.

3.33 Contractor shall comply with the provisions of :-

: Minimum wages Act

: EPF & ESI

: Contract labour (Regulation and abolition) Act

3.34 Contractor shall obtain

: Workmen compensation insurance

: Third party liability insurance .

4. COMMERCIAL TERMS & CONDITIONS:

4.1 EARNEST MONEY:-

4.1.1 Firm/Contractor must submit the Earnest Money of Rs.23,000/-, in the form of a Demand-draft issued by a Nationalized/Schedule Bank/Bank Guarantee/Online transfer in favour of the Registrar, National Law University, Jodhpur payable at Jodhpur at the time of submission of tender documents. Earnest Money shall be refunded/adjusted against security deposit, if any, after award of work order, as the case may be.

4.1.2 In absence of earnest money, quotation of the firm shall not be entertained in any circumstances.

4.1.3 In case of claim for exemption from deposit of Earnest money sufficient proof in support of claim for exemption of EMD as prescribed in Govt. of India Notification is to be attached with the bid.

4.1.4 The earnest money will be forfeited if the firm denies to deposit the security amount if found lowest and university shall have the right to debar the firm from participation in future tenders of the university for the time as decided by university authority.

4.2 Security Deposit:

4.2.1 The successful bidder must deposit the Security amount @ 10% (Ten percent) of the ordered value with the Registrar, NLU, Jodhpur within the time frame provided in letter for depositing of security in shape of DEMAND DRAFT OR irrevocable Bank Guarantees for a period of one year.

4.2.2 The security deposit would be forfeited, if the firm/contractor denies to execute the work or supply the ordered items as the case may be.

4.2.3 The security deposit would be forfeited, if the supplies are not made or work not done as per the Terms & Conditions of the purchase order/bid document.

4.2.4 The security deposit amount will be refunded after the period of one year without any interest from the date of completion of work /supply of entire items

4.3 Payment: -

4.3.1 Payment will be made for running bill i.e 80% of work executed at site after measurement and recommendation of EIC.

4.3.2 However, work should not be halted (stopped)/delayed during payment process period of running bill.

4.3.3 Final remaining 20% after report submitted by infrastructure committee constituted by university.

4.4.4 In case supply /work is not found as per specifications of the University, whole supply/work shall be rejected.

4.4 PENALTY CLAUSE:-

- (1) In case of delay in supply/execution of work without prejudice to the right to reject the bid, penalty should be imposed as decided by the competent authority.
- (2) However, if there is any hindrance/barrier in execution of work from University side, then relaxation will be granted without penalty as deemed fit.
- (3) In case of any false statement, incorrect or false document submitted by the firm university shall have the right to reject the bid, cancel the work order, impose the penalty, forfeiture of EMD or/and security deposit, black listing of firm, withhold of payment for executed work as decided by competent authority.

5. Settlement of Dispute:

5.1 All disputes pertaining to the work contract is limited to the jurisdiction of the courts at Jodhpur District, Rajasthan

5.2 Without prejudice to above, the parties reserve the right to enter into an Arbitration process in accordance with the relevant clause of Arbitration and Conciliation Act, 1996.

ACCEPTANCE

I/We have carefully read and understood the above terms and conditions of the bid and agree to abide by them.

**DECLARATION REGARDING BLACKLISTING/DEBARRING FOR
TAKING PART IN TENDER**

(To be executed & attested by Public Notary/executive Magistrate on Rs 100/-non judicial stamp paper by the Tendered]

1. * I/We _____ of
M/s _____ hereby declare that our
company _____ having registered address at
_____ has never been ‘Blacklisted/debarred by any State/Central
Govt,Department/Organization till date nor we are facing/filed any Litigation
proceeding regarding debarring (blacklisting) with either of the above said agencies.

OR

1. * I/We _____ of
M/s _____ hereby declare that our
company _____ having registered address at
_____ was blacklisted or debarred by State/ Central Govt,Department/Organization
from taking part in tenders for a period of _____ years wef
_____ to _____.the period is over on
_____ and now the firm /company is entitled to take part in tenders.

2. In case of above information found false, I/we are fully aware that the tender/contract will be rejected/cancelled by National Law University, Jodhpur, and EMD/Security deposit shall be forfeited.
3. In addition to the above National Law University, Jodhpur will not be responsible to pay the bills for any completed /partially completed work/supply.

DEPONENT

ATTESTED:

NAME:- _____

(Public Notary/executive Magistrate)

Address: _____

***please strike out the non applicable para**

**ANNUAL TURNOVER CERTIFICATE ISSUED BY THE CHARTERED
ACCOUNTANT (on letter head)**

To,
The Registrar,
National Law University, Jodhpur
NH-62,Nagour Road, Mandore, 342304

Ref.:

Sir,

We hereby certify that out of last 5 financial years ,turnover of at least 3 financial years of M/s..... (Name of the bidder) is not less than INR 5,00,000/- (Indian Rupees Five Lakhs Only).

Financial year	Annual Turnover (Rs.)
2021-2022	
2022-2023	
2023-2024	
2024-2025	
2025-2026	

Yours Sincerely,

(Signature of Authorized Signatory of the C.A. Firm)

(Signature of Authorized Signatory
the
Bidder/Firm)

Seal

Annexure "C"

TECHNICAL BID & SPECIFICATIONS

S.No	Item	Unit	QTY	Consent YES/NO
1	Supply , Installation, Testing and Comissioning of Air Cooled SPLIT type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), R-32/R410A Green Refrigerant, wireless Remote, suitable for 400/230V, +/- 10% 50 Hz ,1 /3 phase AC supply, apable of performing cooling, dehumidification, Air circulation, filtration& ventilation of following capacity with Scroll /rotary/twin rotary compressor. All as per pre approved by Engineer in charge. (Make : Blue star , Voltas, Diakin)			
	Non Inverter			
	1.5 TR	Each	11	
2	SITC of Interconnecting refrigerant copper pipe for split/Ductable/ Casseette AC of DHE Grade C12200-ASTM B68, B75, chemical composition of copper %-99.0 Min and Phosphorus %- 0.015 to 0.040 . For Annealed copper tube :- Tensile strength = 210 Mpawih elongation % = 40 Min . Ink Mark Brand Printing on Hard Tubes should be present. Piping between each set of indoor & outdoor units of different sizes as per OEM requirement & specifications including class 'O' Nitrile rubber sleeves, chase cutting, supports, making good the same with sand cement plaster etc. as required. All as per pre approved by Engineer in charge.	KG	10	
3	Providing & Fixing of IS : 4985 - 2000 Class -4 (10 Kgf / Sqcm) UPVC drain water piping with fittings (IS:7834 & 10Kgf/sqcm) like elbow, socket, Tee, solvent cement jointing, support with MS hanger on ceiling or recessed in wall with chasing & plastering with 6 mm thick closed cell elastomeric nitrile rubber insulation including leakage testing etc. as required of following Nominal sizes. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .			
	20 mm	mtr	30	
4	Making hole in stone masonry/ RCC wall/ RCC slab with core cutter for accomodating refrigerant pipe/ drain pipe/ MS pipe/ cables etc of following dia			
	50 mm to 100 mm Dia	Each	11	
5	Supply & fixing MS powder coated stand suitable for 2.5/3.0/4.0 Tr outdoor type of Split/Ductable/Tower AC. All as per pre approved by Engineer in charge.	Each	11	

6	S&F following sizes(dia.)of ISI marked virgin materialMMS(IS:9537P III)PVC conduit along with ISI marked(IS:3419-1988) accessoriesas required in recess including cutting thewall, covering conduit and making good the same as required.			
	20 mm	Mtr	20	
	25 mm	Mtr	50	
7	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular box of 20 SWG on surface or in recessed with suitable size of grid plate with cover plate including cost of modular 16 amp. Switch and socket outlet , making connection ,testing , etc. as required.	P.Point	11	
8	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked(IS:694)and as per IS8130:2013 of 1.1kVgrade.Wire should be made from 99.90% purity copper, class5 stranding inacc. to IS:8130/IEC60228 for lower wattloss,oxygenfreefo less chances of oxidization, insulation PVC typeA/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961part5, inexisting surface or recessed PVC/MS conduit/casing capping making connectionswith Copper Lugs of suitable size, Ferrules ,testingetc.as required.			
	2 x 4.0 sq. mm. + 1x1.5sqmm	Mtr	120	
	2 x 2.5 sqmm + 1 x 1.5 sqmm	Mtr	80	
9	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanisum , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required.			
	Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	EACH	5	
10	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type DoubleDoor (Metal / Glazed) Distribution board made out from Galvanized steel /CRCAsheet not less then1.2mm thick conforming to IS-8623-1&3 / IEC 61439-1&3,powder painted			

	complete with reversible door (for double door DB only)100amp. insulated copper busbar/shorting link , copper neutral link, copper earth link , color coded interconnectingwire set of suitable rating anddinbar,masking sheet, makinginternalDBterminationswithcopperlugs,Ferrules, detachable gland plate, including making connections, testing etc. as required.			
	Metal door (Three phase) IK-09 and IP-43			
	4 Way	EACH	2	
11	S&F following sizes of ISI marked (IS:14927 P - II) virgin material UPVCtrunking along with accessories like coupler, inner, outer, elbow, square box, tee, end cap etc. on surface with screws, expansion fasteners as required.			
	20 mm x 12 mm	Mtr	50	
	25 mm x 12 mm	Mtr	20	
12	Providing & Fixing of ISI marked (IS:1293) 16 amp unbreakable 3 pin plug top made out from industrial grade Polycarbonate material, brass terminal including making connection testing etc. as required.	Each	11.0	
13	Supply and erection of Galvanized Iron pole with galvanizing done in single dipping (Average coating thickness Minimum 65 Microns) Swaged tubular pole conforming to IS: 2713-1980 (part I to II) with galvanised base plate, The pole shall be made from steel tube & Pipe (IS:1141, Fe 410) including excavation of the pit and filling the same with C.C. of M-20 grade (1:1.5:3) from base plate to 50 cm above ground level, with the help of steel frame not less than 40 cm dia up to 114.3mm outer dia and 50 cm beyond 114.3mm outer dia around the pole. Duly finished with cement plaster, earthing terminals, cable entry with 32 mm dia. 'B' class GI cable sleeves complete as required. of following height & designation. All as per approved by Engineer in charge. Height 4.00 meter	Each	15	
14	Supply and Fixing of Pole OEM fabricated hot dipped galvanised M.S. Overhang (1150 X 3.25 mm) with cap (400 x 88.9 / 114.3 x 3.25 mm) over the existing poles. All as per pre approved by Engineer in charge. single Arm overhang	Each	10	
	Double Arm overhang	Each	15	
15	Providing & Fixing of IK08, IP 66 protected LED Street Light Luminaire on existing bracket/pole. Fixture made of powder coated single piece pressure die cast aluminum material with heat dissipation fins on housing with UV stabilized PC (UV stablization report submitted for UV cover) /Toughened Glass cover and secondary lens on each LED & should be SMD type of			

	3 to 5 watt each . The System efficacy ≥ 125 lm/ wt and potted driver & has a unique BIS R number with Input Voltage AC 120 to 270 V AC with High voltage Cutoff @ ≥ 300 V AC and Auto resetting Safety , Power Factor >0.95 driver Efficiency $>85\%$,THD(I) 70 and CCT 5700K +355K. Surge protection shall be $\min \geq 4$ KV internal and $\min 10$ KV external inside driver compartment. driver should be Phase to phase protection of 440 V for 4 Hrs. Manufactures Word Mark/Name Engraved /Embossing on die cast housing to allow traceability /authenticity. Fixture shall be AS PER IS 10322 Complied.OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) Certificate/ report with liable warranty of product/accessories from OEM shall be submitted. All as per pre approved by Engineer in charge.			
A	LED Street Light fixture with Minimum lumen output 45 watt	Each	18	
B	LED Street Light fixture with Minimum lumen output 70 watt	Each	50	
c	LED Street Light fixture with Minimum lumen output 180 watt	Each	26	
16	Providing and fixing of IP 65 protected Polycarbonate / Polyesterene fuse box moulded with inside knock outs of following size with hinged cover, transparent window, PU gasket, locking arrangement, duly holded with 2 nos. pole clamps of 20 mm x 3 mm flat with nut and bolts, The box shall be provided with Din rail, 4 /8 way 10.0 / 16.0 sq.mm heavy duty connector, earth terminal, complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work 125 mm X 200 mm X 122 mm	Each	30	
17	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, IInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 6.0 sqmm 4 core	mtr	350	
18	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI	Each	30	

	marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanism , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per preapproved by Engineer in charge. Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating			
19	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. Make As per Engineers choice 1.0 sqmmx3 nos.	Mtr	275	
20	Laying of one number XLPE power cable of 11/33 KV (Earthed) voltage grade direct in ground including excavation of trench of size 120 cm (Depth) x 35 cm(Width) Lay the protective Common burnt clay F.P.S. Bricks of Class designation 75 / Sand stone slabs of 50 mm thickness and 225 mm wide just above the sand bed vertically across the cable (Approx. 9 no. Bricks per Mtr.),	Mtr	50	

FINANCIAL BID

S.No	Item	Unit	Qty	Price per unit	Amount	
					Rate in figures	Rate in words
1	Supply , Installation, Testing and Comissioning of Air Cooled SPLIT type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), R-32/R410A Green Refrigerant, wireless Remote, suitable for 400/230V, +/- 10% 50 Hz ,1 /3 phase AC supply, apable of performing cooling, dehumidification, Air circulation, filtration& ventilation of following capacity with Scroll /rotary/twin rotary compressor. All as per pre approved by Engineer in charge. (Make : Blue star , Voltas, Diakin)					
	Non Inverter					
	1.5 TR	Each	11			
2	SITC of Interconnecting refrigerant copper pipe for split/Ductable/ Casseette AC of DHE Grade C12200- ASTM B68, B75, chemical composition of copper %- 99.0 Min and Phosphorus %- 0.015 to 0.040 . For Annealed copper tube :- Tensile strength = 210 Mpawih elongation % = 40 Min . Ink Mark Brand Printing on Hard Tubes should be present. Piping between each set of indoor & outdoor units of different sizes as per OEM requirement & specifications including class 'O' Nitrile rubber sleeves, chase cutting, supports, making good the same with sand cement plaster etc. as required. All as per pre approved by Engineer in charge.	KG	10			
3	Providing & Fixing of IS : 4985 - 2000 Class -4 (10 Kgf / Sqcm) UPVC drain water piping with fittings (IS:7834 & 10Kgf/sqcm) like elbow, socket, Tee, solvent cement jointing, support with MS hanger on ceiling or recessed in wall with chasing & plastering with 6 mm thick closed cell elastomeric nitrile rubber insulation including leakage testing etc. as required of following Nominal sizes. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	20 mm	mtr	30			

4	Making hole in stone masonry/ RCC wall/ RCC slab with core cutter for accomodating refrigerant pipe/ drain pipe/ MS pipe/ cables etc of following dia					
	50 mm to 100 mm Dia	Each	11			
5	Supply & fixing MS powder coated stand suitable for 2.5/3.0/4.0 Tr outdoor type of Split/Ductable/Tower AC. All as per pre approved by Engineer in charge.	Each	11			
6	S&F following sizes(dia.)of ISI marked virgin materialMMS(IS:9537P III)PVC conduit along with ISI marked(IS:3419-1988) accessoriesas required in recess including cutting thewall, covering conduit and making good the same as required.					
	20 mm	Mtr	20			
	25 mm	Mtr	50			
7	Supplying and fixing of power plug point Modular accessories on hot dipped galvanized modular box of 20 SWG on surface or in recessed with suitable size of grid plate with cover plate including cost of modular 16 amp. Switch and socket outlet , making connection ,testing , etc. as required.	P.Po int	11			
8	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked(IS:694)and as per IS8130:2013 of 1.1kVgrade.Wire should be made from 99.90% purity copper, class5 stranding inacc. to IS:8130/IEC60228 for lower wattloss,oxygenfreefo less chances of oxidization, insulation PVC typeA/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961part5, inexisting surface or recessed PVC/ MS conduit/casing capping making connectionswith Copper Lugs of suitable size, Ferrules ,testingetc.as required.					
	2 x 4.0 sq. mm. + 1x1.5sqmm	Mtr	120			
	2 x 2.5 sqmm + 1 x 1.5 sqmm	Mtr	80			
9	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanisum , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load					

	reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required.					
	Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	EAC H	5			
10	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type DoubleDoor (Metal / Glazed) Distribution board made out from Galvanized steel /CRCAsheet not less than 1.2mm thick conforming to IS-8623-1&3 / IEC 61439-1&3, powder painted complete with reversible door (for double door DB only) 100amp. insulated copper busbar/shorting link , copper neutral link, copper earth link , color coded interconnecting wire set of suitable rating and in bar, masking sheet, making internal DB terminations with copper lugs, Ferrules, detachable gland plate, including making connections, testing etc. as required.					
	Metal door (Three phase) IK-09 and IP-43					
	4 Way	EAC H	2			
11	S&F following sizes of ISI marked (IS:14927 P - II) virgin material UPVC trunking along with accessories like coupler, inner, outer, elbow, square box, tee, end cap etc. on surface with screws, expansion fasteners as required.					
	20 mm x 12 mm	Mtr	50			
	25 mm x 12 mm	Mtr	20			
12	Providing & Fixing of ISI marked (IS:1293) 16 amp unbreakable 3 pin plug top made out from industrial grade Polycarbonate material, brass terminal including making connection testing etc. as required.	Each	11.0			
13	Supply and erection of Galvanized Iron pole with galvanizing done in single dipping (Average coating thickness Minimum 65 Microns) Swaged tubular pole conforming to IS: 2713-1980 (part I to II) with galvanised base plate, The pole shall be made from steel tube & Pipe (IS:1141, Fe 410) including excavation of the pit and filling the same with C.C. of M-20 grade (1:1.5:3) from base plate to 50 cm above ground level, with the help of steel frame not less than 40 cm dia up to	Each	15			

	114.3mm outer dia and 50 cm beyond 114.3mm outer dia around the pole. Duly finished with cement plaster, earthing terminals, cable entry with 32 mm dia. 'B' class GI cable sleeves complete as required. of following height & designation. All as per approved by Engineer in charge. Height 4.00 meter					
14	Supply and Fixing of Pole OEM fabricated hot dipped galvanised M.S. Overhang (1150 X 3.25 mm) with cap (400 x 88.9 / 114.3 x 3.25 mm) over the existing poles. All as per pre approved by Engineer in charge. single Arm overhang	Each	10			
	Double Arm overhang	Each	15			
15	Providing & Fixing of IK08, IP 66 protected LED Street Light Luminaire on existing bracket/pole. Fixture made of powder coated single piece pressure die cast aluminum material with heat dissipation fins on housing with UV stabilized PC (UV stabilization report submitted for UV cover) /Toughened Glass cover and secondary lens on each LED & should be SMD type of 3 to 5 watt each . The System efficacy ≥ 125 lm/ wt and potted driver & has a unique BIS R number with Input Voltage AC 120 to 270 V AC with High voltage Cutoff @ ≥ 300 V AC and Auto resetting Safety , Power Factor > 0.95 driver Efficiency $> 85\%$,THD(I) 70 and CCT 5700K +355K. Surge protection shall be min ≥ 4 KV internal and min 10 KV external inside driver compartment. driver should be Phase to phase protection of 440 V for 4 Hrs. Manufactures Word Mark/Name Engraved /Embossing on die cast housing to allow traceability /authenticity. Fixture shall be AS PER IS 10322 Compliant.OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) Certificate/ report with liable warranty of product/accessories from OEM shall be submitted. All as per pre approved by Engineer in charge.					
A	LED Street Light fixture with Minimum lumen output 45 watt	Each	18			
B	LED Street Light fixture with Minimum lumen output 70 watt	Each	50			
c	LED Street Light fixture with Minimum lumen output 180 watt	Each	26			

16	Providing and fixing of IP 65 protected Polycarbonate / Polysterene fuse box moulded with inside knock outs of following size with hinged cover, transparent window, PU gasket, locking arrangement, duly holded with 2 nos. pole clamps of 20 mm x 3 mm flat with nut and bolts, The box shall be provided with Din rail, 4 /8 way 10.0 / 16.0 sq.mm heavy duty connector, earth terminal, complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work 125 mm X 200 mm X 122 mm	Each	30			
17	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 layerof sand,Ind class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 6.0 sqmm 4 core	mtr	350			
18	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947- 2, low watt losses, trip free mechanisum , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports &All as per preapproved by Engineer in charge. Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	Each	30			
19	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. Make As per Engineers choice 1.0 sqmmx3 nos.	mtr	275			

20	Laying of one number XLPE power cable of 11/33 KV (Earthed) voltage grade direct in ground including excavation of trench of size 120 cm (Depth) x 35 cm(Width) Lay the protective Common burnt clay F.P.S. Bricks of Class designation 75 / Sand stone slabs of 50 mm thickness and 225 mm wide just above the sand bed vertically across the cable (Approx. 9 no. Bricks per Mtr.),	Mtr	50			
				Total		
				Tax		
				G.Total		