

BID DOCUMENT

FOR

Supply, installation, testing & commissioning (SITC) of air conditioner with
electrical wiring work at

National Law University, Jodhpur

Total Number of pages: 24(Twenty Four)

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. 75,000/-
8	EARNEST MONEY DETAILS	BANK NAME:- DD NUMBER:-
9	Date of submission of tender	17/11/2025 UPTO 2.00 P.M.
10	Authorized Signatory	

Check List of Documents:-

S.No	Particulars	Page No
1	Technical bid in sealed cover super scribed as “Technical Bid” with all required parameters as follows:- (A)Filled in bid document duly signed and stamped at the bottom of each page. (B)Annexure ‘C” (CONSENT FOR TECHNICAL SPECIFICATIONS) (C)Demand Draft of Rs.75,000/- submitted as Earnest Money (D)Copy of the Income Tax PAN card of the company/ Firm (E)Copy of valid GST Registration of company/ firm (F)Notarized self certification for not being debarred/blacklisted as per Annexure”A”. (G)Completion certificate of ELECTRICAL work (i.e new construction,repairing,renovation,work) of (I)Single work at least Rs 25.00 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. (H) The bidder must have a turnover of at least Rs 20.00 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”) (I) The firm/contractor must have digital electrical license from the Govt.Department. (J)All electrical material used should have NABL Testing certificate.	
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 with electrical wiring 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 17/11/2025 and the technical bid will be opened on the same day at 2.30 P.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 Successful bidder shall be required to execute the complete work within 45 days from issue of work order.

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 25.00 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 17/11/2025 upto 2.00 P.M. Sealed tenders may only 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 17/11/2025 at 2.30 P.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 work should contain Technical Bid as per Annexure – C prescribed Firm Registration certificate, declaration 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

3.31All 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 letter head (along with copies of ID proof) shall be submitted at the main gate for smooth permission for entry/exit.

3.32The 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.

4. COMMERCIAL TERMS & CONDITIONS:

4.1 EARNEST MONEY:-

4.1.1Firm/Contractor must submit the Earnest Money of Rs.75,000/-, in the form of a Demand-draft issued by a Nationalized/Schedule Bank 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 or FDR of equivalent amount 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, forfeit 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:

(Public Notary/executive Magistrate)

NAME:- _____

Address: _____

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

ANNEXURE–“B”

**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 20,00,000/- (Indian RupeesTwenty 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	Qty	Unit	Consent YES/NO
1	Supply , Installation, Testing and Comissioning of Air Cooled Cassette type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), R-32/R410A Green Refrigerant, wireless Remote, inbuilt drain pump, 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 (3.8/4.0 TR)	Each	7	
2	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 2.0 Tr	Each	30	
3	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 Mpa wih 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	70	
4	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 SIZE)	Mtr	200	

5	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	30	
6	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	37	
7	Remove and Dismantling of Existing old ac From site and deposit in NLU store.(For cassette AC OF ANY Toonage)	Each	7	
8	Remove and Dismantling of Existing old ac From site and deposit in NLU store (For Split AC 1.0 tr to 2.0 tr)	Each	35	
9	Supply , Installation, Testing and Commissioning of Air Cooled SPLIT type Air conditioners only with Indoor unit(IDU) R-22/R-32/R-410 A Green refrigerant,wireless remote,suitable for 400 /230V ,+/- 10% 50Hz ,1/3 phase AC Supply capable for performing cooling ,dehumidification ,air circulation ,filtration and ventilation all as pre approved by EIC.(1.5/2T) Make:- LG/Voltas/Carrier/Daikin	Each	35	
10	Wiring of lightpoint/fanpoint/exhaust fan point / call bell point with 1.5sq.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 flexiblecopper earth conductor 1.1kVgrade (IS:694) in recessed ISI marked MMS (IS:9537P-III)virgin material PVC conduit & it's ISI marked (IS:3419-1988)accessories,round tiles,1.2mm thick Hot Dipped Galvanized Modular Boxwith earth terminal, 10A Modula switch , Modular face plate with grid plate,3pin ceiling rose/Holder/3 wayconnector, screws, makingconnections, testingetc. as required. For specificationof copper Conductor, Phenolic Laminated sheet's & Electrical/Wiring accessories			
i	Short point (up to 3 mtr.)	P.Point	20	
ii	Medium point (up to 6 mtr.)	P.Point	25	
11	Providing & Fixing of energy efficient direct fit (Retrofit) Polycarbonate/ Glass housing SMDMidPower LED tube rod (with integral driver & alumn. heat sink), on existing fixture. system lumen efficacy ≥ 100 lm/Watt output, internal surge protection of 2.5 KV ,THD < 20% ,p.f. ≥ 0.95 ,CRI >80 , life time of minimum 35000 Burning Hours with , 70% of intial Lumen maintaned till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 &			

	LM80)certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge.			
	1200mm , Min. Lumens output 2000 lm LED Tube rod with Polycarbonate Housing	EACH	30	
12	Providing & Fixing of IP-20 LED Recessed / Surface Mounted, Round / Square SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS compliance 2.5 KV surge protected Isolated driver, with Short & Open circuit protection, having efficiency > 85% . System Lumen efficacy of ≥ 110 lm / watt, THD 80, life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K/ 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing.			
	Recessed Mounting Minimum lumen output 15 WATT	EACH	42	
13	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.			
i	20 mm	Mtr	60	
ii	25 mm	Mtr	200	
14	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	31	
15	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,oxygen freefo 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.			
i	3 x 1.5 Sqmm	Mtr	80	
ii	2 x 2.5 sqmm + 1 x 1.5 sqmm	Mtr	100	
iii	2 x 4.0 sq. mm. + 1x1.5sqmm	Mtr	280	
iv	4 x 6.0 sq. mm. + 1 x 2.5 sq. mm.	Mtr	20	
16	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 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.			
i	Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	EACH	56	
ii	Four pole MCB (With B/C curve tripping Characteristics) 50/63 A rating	EACH	7	
17	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 din 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	EACH	7	
18	Providing & Fixing of modular type switch/bell push duty ISI marked (IS :3854) with CM/L no. printed and made out of unbreakable and fire retardant virgin UV Stabilized Polycarbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating, minimum width of switch toggle (PUSH PART) should not less than 20mm, including all as per pre approved by Engineer in charge, making connections, testing etc. as required.			
i	32 Amp. 2 Module switch With Indicator	EACH	35	
ii	25 Amp. 2 Module Socket	EACH	35	
iii	13 A flat pin English socket	EACH	50	
19	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.			
i	20 mm x 12 mm	Mtr	50	
ii	25 mm x 12 mm	Mtr	30	
20	Providing & Fixing of Wall mounting / Pedestal type Heavy duty Air Circulator , Double ball bearing and with metal sturdy mesh guard Aluminium alloy			

	one piece blade and conforming to IS:2997, including fixing with anchor bolts, making connection testing etc. as required. All as per pre approved by Engineer in charge.			
	400 mm Sweep oscillating type	EACH	15	
21	P & F of 36 Watt IP 20 LED 2'x2' fixture, Recessed / surface type, having efficacy of not less than 100 lumen / watt, made out from CRCA housing and with high purity / transmissivity diffuser for uniform light distribution high efficiency driver electronics and in compliance to IEC standard (integral with light fixture), life time of more than 50000 burning hours, CCT 6000K (minimum), CRI>80 driver maintaining PF>0.9	EACH	48	
22	Labour charges for dismantling of surface/ recessed switch board of any size and depositing the same with listing of material in store.	EACH	20	
23	P & F ISI marked (IS:3854) 6 amp. flush type non modular switch with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	120	
24	Providing & Fixing of 6 amp. Combined flush type non modular socket and switch set as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	40	
25	Providing & Fixing of IS 11037:1984 marked non modular socket size flush type 120 watt rotary minimum 5 step fan regulator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	25	
26	Providing & Fixing of Wiring Accessories OEM fabricated following size virgin material UPVC modular boxes on surface suitable for modular accessories as required. All as per pre approved by Engineer in charge.			
i	1-2-3 Module	Each	40	
ii	4-5 Module	Each	20	
iii	6-8 Module	Each	30	
27	Providing & fixing ACP Cover for AC copper pipe ,wiring, drain pipe etc with all aluminium frame work.	Sqfts	100	

FINANCIAL BID

S.No	Item	Qty	Unit	Price per unit	Amount	
					Rate in figures	Rate in words
1	Supply , Installation, Testing and Comissioning of Air Cooled Cassette type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), R-32/R410A Green Refrigerant, wireless Remote, inbuilt drain pump, 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 (3.8/4.0 TR)	Each	7			
2	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 2.0 Tr	Each	30			
3	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 Mpa wih 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	70			
4	Providing & Fixing of IS : 4985 - 2000 Class -4 (10 Kgf / Sqcm) UPVC drain	Mtr	200			

	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 SIZE)					
5	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	30			
6	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	37			
7	Remove and Dismantlling of Existing old ac From site and deposit in NLU store.(For cassette AC OF ANY Toonnage)	Each	7			
8	Remove and Dismantlling of Existing old ac From site and deposit in NLU store (For Split AC 1.0 tr to 2.0 tr)	Each	35			
9	Supply , Installation, Testing and Commissioning of Air Cooled SPLIT type Air conditioners only with Indoor unit(IDU) R-22/R-32/R-410 A Green refrigerant,wireless remote,suitable for 400 /230V ,+/- 10% 50Hz ,1/3 phase AC Supply capable for performing cooling ,dehumidification ,air circulation ,filtration and ventilation all as pre approved by EIC.(1.5/2T) Make:- LG/Voltas/Carrier/Daikin	Each	35			
10	Wiring of lightpoint/fanpoint/exhaust fan point / call bell point with 1.5sq.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 flexiblecopper earth conductor 1.1kVgrade (IS:694) in recessed ISI marked MMS (IS:9537P-III)virgin material PVC conduit & it's ISI marked (IS:3419-1988)accessories,round tiles,1.2mm thick Hot Dipped Galvanized Modular Boxwith earth					

	terminal, 10A Modula switch , Modular face plate with grid plate, 3pin ceiling rose/Holder/3 way connector, screws, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/Wiring accessories					
i	Short point (up to 3 mtr.)	P.Point	20			
ii	Medium point (up to 6 mtr.)	P.Point	25			
11	Providing & Fixing of energy efficient direct fit (Retrofit) Polycarbonate/ Glass housing SMD Mid Power LED tube rod (with integral driver & alum. heat sink), on existing fixture. system lumen efficacy ≥ 100 lm/Watt output, internal surge protection of 2.5 KV , THD < 20% , p.f. ≥ 0.95 , CRI > 80 , life time of minimum 35000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K / 6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge.					
	1200mm , Min. Lumens output 2000 lm LED Tube rod with Polycarbonate Housing	EACH	30			
12	Providing & Fixing of IP-20 LED Recessed / Surface Mounted, Round / Square SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS compliance 2.5 KV surge protected Isolated driver, with Short & Open circuit protection, having efficiency > 85% . System Lumen efficacy of ≥ 110 lm / watt, THD 80, life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K / 6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate (T.C.).					

	Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing.					
	Recessed Mounting Minimum lumen output 15 WATT	EACH	42			
13	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.					
i	20 mm	Mtr	60			
ii	25 mm	Mtr	200			
14	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	31			
15	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,oxygen freefo 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.					
i	3 x 1.5 Sqmm	Mtr	80			
ii	2 x 2.5 sqmm + 1 x 1.5 sqmm	Mtr	100			
iii	2 x 4.0 sq. mm. + 1x1.5sqmm	Mtr	280			
iv	4 x 6.0 sq. mm. + 1 x 2.5 sq. mm.	Mtr	20			
16	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 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.					
i	Single pole MCB (With B/C curve tripping Characteristics) 6 A to 32 A rating	EACH	56			
ii	Four pole MCB (With B/C curve tripping Characteristics) 50/63 A rating	EACH	7			
17	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 din 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	EACH	7			
18	Providing & Fixing of modular type switch/bell push duty ISI marked (IS : 3854) with CM/L no. printed and made out of unbreakable and fire retardant virgin UV Stabilized Polycarbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating, minimum width of switch toggle (PUSH PART) should not less than 20mm, including all as per pre approved by Engineer in charge, making connections, testing etc. as required.					
i	32 Amp. 2 Module switch With Indicator	EACH	35			
ii	25 Amp. 2 Module Socket	EACH	35			
iii	13 A flat pin English socket	EACH	50			
19	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.					

i	20 mm x 12 mm	Mtr	50			
ii	25 mm x 12 mm	Mtr	30			
20	Providing & Fixing of Wallmounting / Pedestal type Heavy duty Air Circulator, Double ball bearing and with metal sturdy mesh guard Aluminium alloy one piece blade and conforming to IS:2997, including fixing with anchor bolts, making connection testing etc. as required. All as per pre approved by Engineer in charge.					
	400 mm Sweep oscillating type	EACH	15			
21	P & F of 36 Watt IP 20 LED 2'x2' fixture, Recessed / surface type, having efficacy of not less than 100 lumen / watt, made out from CRCA housing and with high purity / transmissivity diffuser for uniform light distribution high efficiency driver electronics and in compliance to IEC standard (integral with light fixture), life time of more than 50000 burning hours, CCT 6000K (minimum), CRI>80 driver maintaining PF>0.9	EACH	48			
22	Labour charges for dismantling of surface/ recessed switch board of any size and depositing the same with listing of material in store.	EACH	20			
23	P & F ISI marked (IS:3854) 6 amp. flush type non modular switch with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	120			
24	Providing & Fixing of 6 amp. Combined flush type non modular socket and switch set as per PWD specification for electrical Works, made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	40			
25	Providing & Fixing of IS 11037:1984 marked non modular socket size flush type 120 watt rotary minimum 5 step fan regulator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in charge.	EACH	25			

26	Providing & Fixing of Wiring Accessories OEM fabricated following size virgin material UPVC modular boxes on surface suitable for modular accessories as required.All as per pre approved by Engineer in charge.					
i	1-2-3 Module	Each	40			
ii	4-5 Module	Each	20			
iii	6-8 Module	Each	30			
27	Providing & fixing ACP Cover for AC copper pipe ,wiring,drain pipe etc with all aluminium frame work.	Sqft	100			
				TOTAL		
				TAX		
				G.TOTAL		