

Kakkanad Factory, Cochin
Plot No.16-A/1 CSEZ, Kakkanad P. O. Ernakulam – 682 037,
Website: www.lifecarehll.com

Tender No: HLL/KFC/PUR/Electrical Work/2026

Date: 26.03.2026

TENDER FOR ELECTRICAL WORKS AT WAREHOUSE FACILITY

AT
HLL LIFECARE LIMITED,
KAKKANAD, COCHIN

Kakkanad Factory, Cochin
Plot No.16-A/1 CSEZ, Kakkanad P. O. Ernakulam – 682 037,

Website: www.lifecarehll.com

Tender No: HLL/KFC/PUR/Electrical Work/2026

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INVITATION FOR BIDS

HLL Lifecare Limited a Government of India Enterprise invites sealed and super scribed bids under **single bid system** from competent and experienced contractors having a valid Class B License issued by for the following items/work at HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ).

SL. No.	Brief Description of Item/Work	Tender No:	Last Date & Time of Submission of Bids	Date & Time of Opening of bids
1.	Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) Specification: Refer Schedule II for detailed Specification	HLL/KFC/ PUR/ Electrical Work/ 2026	16.04.2026 15.00 Hrs	16.04.2026 15.30 Hrs

2. The bid documents shall be made available up to 15:00 hrs on the previous working day prior to the opening of bids at the following address, during office hours:

DEPUTY GENERAL MANAGER (P&S)
HLL LIFECARE LIMITED
KAKKANAD FACTORY, PLOT NO.16-A/1,
COCHIN SPECIAL ECONOMIC ZONE, CEPZ PO,
COCHIN, -682037,
KERALA, INDIA.
PH: +91 484 2414102, + 91 484 2414202 (direct line)

3. **The tender documents can be downloaded from our Website: www.lifecarehll.com** from the date of issue of tender document. Tender forms shall be filled in ink or typed. No tender filled in pencil be considered. The tenderer shall sign and seal the form at each page and at the end, in token of acceptance of all the terms and conditions of the tender. Any subsequent changes/amendments will be published only in our website. The bidders downloading the tender documents from our website are required to enclose Demand Draft or TT /RTGS for Rs.590/- drawn in favor of HLL Lifecare Ltd., payable at Kochi towards the cost of tender documents, along with the Bid.
4. The scheduled date for issue, receipt and opening of bids is as follows.
- a. **Last date & time of submission of Tender: 16.04.2026 15.00 Hrs**
b. **Date of opening of tender : 16.04.2026 15.30 Hrs**
c. **Tender fee : Rs.590/-**

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d. EMD : Rs.10,000/-
e. HLL Bank Details : State Bank of India
A/c no. 10295187178
IFSC Code. SBIN0009485
Branch: CEPZ Kakkanad

5. SSI/MSE units interested in availing exemption from payment of tender fee & EMD should submit a valid copy of their Udyog Aadhar registration certificate. The Tenders not accompanied by EMD / Tender fees or a copy of Udyog Aadhar will be summarily rejected. The terms and conditions, format for quoting rates etc., are given in the tender document. The completed and sealed bid documents should be submitted to the above address. The outer cover should bear the Enquiry No, closing date and General description of item tendered, and the words "DO NOT OPEN BEFORE" 15.30 Hrs. (IST) on 16.04.2026.
6. Bids will be opened in the presence of Bidders representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause 2 above.
7. In the event of the date specified for bid receipt and opening being declared as a closed holiday for the above purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
8. HLL may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of HLL and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
9. HLL will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.
10. The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.
11. In addition to the invitation for bids, the bidding documents include the following schedules.

SCHEDULE I	Terms & Conditions of Bid
SCHEDULE II	Detailed Specification of Item
SCHEDULE III	Conditions of Contract
SCHEDULE IV	General information of the Party
SCHEDULE V	Acceptance Form
SCHEDULE VI	Price Bid-Format for Quoting

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SCHEDULE I

TERMS AND CONDITIONS OF BID

1.1 The Bid must include the following information,

- a. Tender Number
- b. Promised Delivery Schedule.
- c. Certificate that bid is in total conformity with the specifications and terms and conditions mentioned in the bid document and if not, list of exclusions, and/or exceptions.
- d. All information requested in the specifications, dimensional drawings, technical literature describing the make offered, material etc., as specified in the bid document.
- e. The Price should be quoted as per the following:
 - i) The Bidder shall indicate all prices including basic price, the relevant duties and taxes, other levies, packing & forwarding charges, charges for inland transportation and other local costs incidental to delivery of the goods to supplier's site, etc. on the appropriate price schedule (FORMAT FOR QUOTING – SCHEDULE VI) attached to these documents for completing the above work as per the Specification, Terms and Conditions as specified in the Bid Documents.
 - ii) Bidder must quote for unit price and total price based on the requirement shown in the bid document.
 - iii) Price should be firm without any escalation on any account until the order is completely fulfilled.
 - iv) All other documents/certificate/information as specified in the bid document.

1.2 Bids shall remain **valid for 90 days** after the date of bid opening prescribed by the Purchaser.

2. Format and Signing of Bid

2.1 All pages of the bid, except for un-amended printed literature shall be signed by the person or persons signing the bid.

2.2 Bids shall be made in English.

2.3 The bid shall contain no interlineation's, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be signed by the person or persons signing the bid.

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3. Submission of Bids

Sealing and Marking of Bids

3.1 The inner and outer envelopes shall be addressed to the purchaser in the following address:

- (a) DEPUTY GENERAL MANAGER (P&S)
HLL LIFECARE LIMITED
KAKKANAD FACTORY, PLOT NO.16-A/1, COCHIN
SPECIAL ECONOMIC ZONE,
CEPZ PO, COCHIN, -682037,
KERALA, INDIA.
PH: +91 484 2414102/202
Email: materialskfc@lifecarehll.com

- (b) Bear the Enquiry No, closing date and General description of item tendered, and the words "DO NOT OPEN BEFORE" 15.30 Hrs. (IST) on 16.04.2026.

3.2 Bids should be hand delivered or sent by courier to ensure timely arrival. Telex, cable, email or facsimile bids will be rejected.

Deadline for submission of Bids

3.3 The bids will be received by the Purchaser in the above given address (3.1.a) not later than the date and time specified in the Invitation for Bids.

In the event of the specified date for submission of Bids being declared a holiday for the Purchaser, the bids will be received up to the appointed time on the next working day.

3.4 The purchaser may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case, all rights and obligations of the Purchaser and Bidders subject to the previous deadline, will thereafter be subject to the deadline as extended.

3.5 It is the responsibility of the bidders to see that the completed bidding documents whether sent by post or by courier or by person are received in the office of Deputy General Manager (P&S), in the above address by the date and time stipulated for receipt as above failing which the bid would be considered late and rejected. Purchaser will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids received after due date and time will be rejected. Mere handing over of the bid documents at reception counter or at any other counter or room or person cannot be considered as submission of bid.

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4. Clarification of Bidding Documents

A prospective Bidder requiring any clarification of the Bidding Documents may notify the Purchaser in writing, or by email at the purchaser's mailing address indicated in the Invitation forbids. The Purchaser will respond in writing to any request for clarification of Bidding Documents, which it receives not later than 7 days prior to the deadline for submission of Bids prescribed by the Purchaser. No change in the price or substance of the bid shall be sought, offered or permitted.

5. Amendment of Bidding Documents

- 5.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, modify the Bidding Documents by amendment.
- 5.2 The amendment if any will be published through our website mentioned above.
- 5.3 In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bid, the Purchaser may, at its discretion, extend the deadline for the submission of bids.

6. Bid Opening by Purchaser

- 6.1 The Purchaser will open bids, in the presence of the bidders' representatives who choose to attend, at the date and time specified and in the location given in this document.

The Bidders' representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of bid opening being declared a holiday forth Purchaser, the bids shall be opened at the appointed time and location on the next working day.

- 6.2 The Purchaser will prepare appropriate bid opening register and the same shall be signed by bidders present during the opening of the bids and Purchaser.

7. Preliminary examination

- 7.1 The purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, whether the bid validity is as required and whether the bids are generally in order.
- 7.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be calculated. If there is discrepancy between the words and figures, the amount in words shall prevail.

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- 7.3 Prior to the detailed evaluation, the purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one that conforms to specifications and all the terms and conditions of the bidding documents without material deviation. The purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 7.4 A bid determined as not substantially responsive will be rejected by the purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.
- 7.5 The purchaser may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 7.6 The purchaser's determination as to the substantial responsiveness or otherwise of each bid or consideration of a minor informality or non-conformity or irregularity is final and conclusive.

8. Evaluation and comparison of bids.

- 8.1 The purchaser will technically evaluate all bids previously determined to be responsive and compare the bids previously determined to be substantially responsive and technically acceptable.

9. Post – qualification

- 9.1 Notwithstanding the qualification requirements given in this document, the Purchaser will determine to its satisfaction whether the Bidder selected as having submitted the lowest evaluated responsive bid is qualified to satisfactorily perform the Contract.
- 9.2 The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.
- 9.3 The Purchaser reserves the right to negotiate with the lowest evaluated responsive bidder.
- 9.4 An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that bidder's capabilities to perform satisfactorily.

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9.5 Conditional Bids shall not be entertained.

10. Award Criteria

The Purchaser will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily for the items offered.

11. Notification of Award

11.1 Prior to the expiration of the period of bid validity, the purchaser will notify the successful Bidder by post/courier/ e-mail, that its bid has been accepted. The notification of award may be sent in the form of Letter of Intent / Work order.

11.2 The signed acceptance of the notification of award by the Supplier/Contractor will constitute a concluded contract.

12. Tender Fee & Earnest Money Deposit

12.1 The bid must be accompanied by EMD of Rs 10,000/-

12.2 Tender fee of Rs.590/- (Non-refundable) and EMD as per the tender conditions shall be paid separately, through DD or RTGS/NEFT transfer.

12.3 The EMD shall be in the form of Demand Draft from a nationalized bank drawn in favor of HLL Lifecare Limited, payable at Cochin.

12.4 EMD of the unsuccessful bidders will be released after tabulating tenders, keeping only the earnest money of the first three lowest bidders. The earnest money deposit of the remaining two unsuccessful bidders will be released after the acceptance of the notification of award by the successful bidder.

13. Eligibility Criteria

13.1 Bidders shall have minimum **3 years** of experience in the similar types of works (Proof the same).

13.2 The minimum annual turnover of the bidder should be Rs.2.00 Lakh for the last three financial years ending 31st March of the previous financial year (31.03.2025). Vendors are required to submit documents relating to the last three years in support of their claim. Income tax return details for the last two years to be provided.

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- 13.3 GST/PAN registrations certificates must be submitted along with the bid.
- 13.4 The bidder shall submit tender fee and EMD (Proof of the same).
- 13.5 MSE units interested in availing exemption from payment of EMD should submit a valid copy of their Udyam registration certificate.
- 13.6 The bidder shall supply goods with invoice bearing LUT number.

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SCHEDULE II

**ELECTRICAL WORKS AT WAREHOUSE FACILITY FOR HLL LIFECARE LTD, KAKKANAD
FACTORY, CSEZ, COCHIN**

SCHEDULE OF WORK			
SI No	Wiring	Qty	Unit
1.01	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	56	Point
1.02	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	625	Meter
1.03	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	325	Meter
1.04	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 4 sq. mm + 2 X 4 sq. mm earth wire	185	Meter
1.05	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	4	Each
1.06	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	50	Each
1.07	Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required.1200 mm 2X20W LED Lamp with box type fixture	40	Each
1.08	Supply, Installation, testing and commissioning of ceiling fan of following sizes including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required. 1200mm sweep - ceiling fan complete with service value minimum 4.0(cub meter/minute/Watt), Air delivery minimum 210(cubic meter/minute), Copper winding suitable for 230V/240V single phase AC supply	6	Each
	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as		Each

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1.09	required.	6	
1.10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	10	Each
1.11	Supplying and fixing PVC batten/ angle holder including connection	4	Each
1.12	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	2	Each
1.13	Supply, Installation of minimum 9 Watt LED Bulb. Make : Philips, Havells, Wipro	4	Each
1.14	Supply, Installation, Testing and Commissioning of 300 mm sweep, 900 rpm heavy duty exhaust fan with louver in existing opening including making good the hole to suite the size of above fan complete with connections using 3 core 1.5sqmm multi core pvc sheathed copper conductor cable etc as required.	4	Each
2	Distribution Board		
2.01	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP 42/43)	1	Each
2.02	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)	1	Each
2.03	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	30	Each
2.04	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral	1	Each
2.05	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Double pole	1	Each
2.06	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	2	Each
2.07	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10	Each

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2.08	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 Amps	1	Each
2.09	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps	1	Each
2.10	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli Amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	1	Each
2.11	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli Amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps	1	Each
2.12	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	2	Each
2.13	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 amps; C curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2	Each
3	Cables		
3.01	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp	28	Meter
3.02	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 16 sq mm with factory made clamp	25	Meter
3.03	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 25 sq mm with factory made clamp	75	Meter
3.04	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required 3.15 mm copper conductor (10 SWG)	256	Meter
3.05	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	0.6	Meter
3.06	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)	2	set

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3.07	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 16 sq. mm (28mm)	2	set
3.08	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 25 sq. mm (28mm)	2	set
4	Metering Panel		
4.01	Supply and fixing of CT Meter panel Seven Tank Processed powder coated color code Siemens grey fabricated out of 16G CRCA sheet (1.6mm) gauge double door Wall mounted type meter box with the following including test report of CT 63A 25ka 4 pole MCCB -1No CT 100/5,VA10,Clas .5S -4Nos Neutral bus bar -1No Space for 3 phase energy meter	1	Set
4.02	Supply and fixing of 250A -32A 4P Tap-off box with IP54 protection having , Phase shrouding, safety door interlock, rigid PIO to MCCB connection, locking facility, IEC61439-6 for incoming supply from CSEZ bus bar duct	1	No
4.03	Supply and fixing of 4 pole 63A 25KA MCCB	2	No
4.04	Supply and fixing of 3 phase CT type KWh Meter including test	1	No
5	Document Approval		
5.01	Professional charges for power allocation including the preparation and submission of necessary forms, documents, schematic drawings, completion reports etc.; as per electrical inspectorate standards procuring scheme approval from various statutory bodies, arranging inspection and getting energisation letter from electrical inspectorate including all incidental expanse except actual statutory charges/fees Note: Statuary fees, additional deposits shall be paid by contractor, and same will be reimbursed by HLL on receipt of original challan/document	1	No

• Make list is attached as Annexure I

**PLACE
DATE:**

**NAME & SIGNATURE OF THE APPLICANT
(WITH OFFICE SEAL)**

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SCHEDULE III

CONDITIONS OF CONTRACT

1. **PRICE:** The price quoted should be inclusive of all material cost, loading and unloading charges, Warranty charges, and other levies, labor charges, insurance etc. Price quoted should be firm without any escalation till the order is completely executed. **As the work location is inside Cochin Special Economic Zone (CSEZ), there will be no applicable GST for the subject work.**

As the firm is situated in Special Economic Zone, the supplier should have LUT registration.

Price quoted should be firm without any escalation till the Contract is completely executed and should be for the item/work shown under **SCHEDULE II.**

2. COMPLETION TIME

The work shall be completed at the site within a period of **4 WEEKS** from the date of issuing the Letter Of Intent or Work Order.

3. PAYMENT TERMS:

70 % of the total invoice will be released after supply and installation of item.

20% of invoice will be released after obtaining necessary statutory & other approvals, licenses (inspectorate CSEZ approvals etc) and issue of Work Completion certificate and signing of Engineer in Charge/Officer in Charge of HLL Lifecare Ltd.

Balance 10 % will be kept as performance security for 3 months from the date of work completion certificate by officer in charge of HLL Lifecare Ltd.

4. DEFECT LIABILITY PERIOD

The contractor/supplier shall be fully responsible for ensuring that the supplied items are free from manufacturing defects, material defects, or workmanship issues for a period of **18 months** from the date installation or successful commissioning whichever is later.

Responsibilities during the DLP:

- Any defects or failures in the equipment during the defect liability period shall be rectified or replaced by the contractor/supplier at their own expense, including transportation, labor, and any associated costs.

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- If the defect results in prolonged downtime, the contractor/supplier shall arrange for a suitable replacement unit within 48 hours to ensure uninterrupted operation.

Response Time:

- The supplier shall respond to defect notifications within 48 hours of intimation and shall complete rectification or replacement of the defective equipment within 7 days (or mutually agreed upon timeframe) from the date of notification.

5. TESTING OF EQUIPMENT:

- The contractor shall ensure that the all equipment are tested at an authorized testing facility accredited by a recognized authority (e.g., NABL or equivalent).
- The testing shall be performed in compliance with applicable standards, including IS/IEC standards or other specifications provided.
- All testing fees, transportation, and related costs shall be borne by the contractor and shall be deemed to be included in the quoted price of the bidder.

6. APPROVALS:

- The contractor shall obtain all necessary approvals and certifications required for the scope of work with reference to requirement of HLL from the relevant authorities, including but not limited to KSEB (Kerala State Electricity Board) and/or Kerala Electrical Inspectorate and/or CSEZ (Cochin Special Economic Zone) and/or any other equivalent bodies.
- The contractor shall coordinate with KSEB and/or Kerala Electrical Inspectorate and/or CSEZ and/or any other equivalent bodies for equipment validation and ensure all regulatory compliance before installation

7. INSPECTION AND VERIFICATION:

- The contractor shall arrange for the inspection of the equipment by authorized representatives of KSEB or any other designated authority.
- Inspection shall include on-site validation of the equipment, installation quality, and adherence to approved specifications.
- Any modifications or adjustments required post-inspection shall be carried out promptly by the contractor at no additional cost to the client.

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8. DRAWINGS:

- The contractor shall prepare and submit design drawings /shop drawings/as-built drawings for the entire work, supplied equipment and associated infrastructure.
- These drawings shall include, but are not limited to:
 - a) Detailed layout, single line diagrams and wiring diagrams.
 - b) Equipment placement and interconnection details.
 - c) Labeling and identification of circuits.
 - d) DB scheduling, load distribution, Panel GA drawings etc
- The drawings shall be submitted in both hard copies (minimum two sets) and soft copy formats (e.g., PDF, CAD files) within 15 days) after the commissioning of the equipment.

9. COMPLIANCE DOCUMENTATION:

- The contractor shall provide a complete set of compliance documentation, including:
 - a) Test certificates from the authorized testing facility.
 - b) Inspection and approval certificates from KSEB/Inspectorate.
 - c) Warranty certificates for the supplied equipment.

Delay in delivery/non delivery and completion of the contract will cause loss and/or damage to Supplier. The completion period shall be counted from the date of sending of Purchaser's intimation of acceptance of the Supplier's offer (Letter of Intent (LOI) and/or Work order).

10. POWER TO MAKE ALTERATIONS

The Owner shall have the power to make in writing any alterations, omissions, additions or substitutions for original specifications, drawings, designs, patterns and instructions that may appear to him necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with the instructions which may be given to him by the Owner or his representative.

11. LIQUIDATED DAMAGE FOR DELAYS

If the supplier fails to deliver any or all of the goods or perform the services within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, either (1) deduct from the contract price, as liquidated damages, a sum equivalent to 0.5 percent of the total contract value for each week of delay or part thereof until actual delivery or performance, subject to a maximum of 7.5 % of the total contract value

12. INSPECTION

HLL reserves the right to inspect the work provided by the successful bidder during the execution period or thereafter.

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14. SITE VISIT

The bidder is mandatorily advised to visit and examine the Site of delivery/Work and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for delivery of item / construction of the Works. He shall examine the site condition and satisfy himself of the availability of materials at nearby places, difficulties which may arise during execution before submitting the bids. The costs of visiting the Site shall be at the bidder's own expense. The bidder and any of his personnel or agents will be granted permission by HLL to enter upon its premises and lands for the purpose of such visit.

15. TRANSPORTATION

Transportation shall be in the scope of supplier; purchaser shall not pay any charges for the same.

Price quoted should be firm without any escalation till the order is completely executed.

16. FORCE MAJEURE

- a. Neither the Supplier nor the Purchaser shall be considered in default in the performance of their obligations as per the Contract so long as such performance is prevented or delayed because of strikes, war, hostilities, revolution, civil commotion, epidemics, accidents, fire, cyclone, flood or because of any law and order proclamation, regulation or ordinance of Government or subdivision thereof or because of any act of God. The proof of existence of force majeure shall be provided by the party claiming it to the satisfaction of the other.
- b. The Supplier shall advise Purchaser initially by a Fax, followed by post, the beginning and end of any of the above causes of delay, failing which Purchaser shall not be liable to consider delays due to the above reasons. Notice as stated above should be given even in case where only the Supplier's bids are under the consideration of the Purchaser and no acceptance of the same has been given and Contract issued.
- c. In the event of definite delay even if arising out of reasons due to force majeure, Purchaser shall have the right at their discretion to cancel the Contract or part of the Contract without any liability on their part to make any payment to the Supplier while reserving the right to claim refund of and any payment if advanced or paid to Supplier.

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17. ASSIGNMENTS AND SUBLETTING

No assignment and subletting of whole or part of the Contract shall be permitted except with prior approval of purchase obtained in writing.

18. CORRESPONDENCE

All correspondence relating to this enquiry shall be in English,
To

Deputy General Manager (P&S)
HLL Lifecare Limited
Kakkanad Factory, Plot No.16-A/1,
CSEZ PO, Cochin-682037,
PH: +91 484 2414202/212
Email: materialskfc@lifecarehll.com,

19. INDEMNIFICATION CLAUSE

The Supplier shall indemnify and hold harmless the Purchaser from and against all claims, liability, loss damage or expense, including counsel fees arising from or by reason of any actual or claimed trade mark, patent or copy right infringement or any litigation based thereon with respect to any part of the items covered by the Contract and such obligations shall survive acceptance of payment for the items.

20. STANDARDS

The goods supplied under this contract shall conform to the standards/specifications mentioned in **SCHEDULE II** and when no applicable standard is mentioned; to the authoritative standard appropriate to the goods' country of origin and such standards shall be the latest issued by the concerned institution.

21. APPLICABLE LAW

The Contract shall be interpreted in accordance with Indian laws.

22. SETTLEMENT OF DISPUTES

The contract shall be deemed to have been concluded at Cochin, Kerala and suits and proceedings, if any, shall be only in the courts of competent jurisdiction in Cochin.

The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof

SIGNATURE OF BIDDER WITH SEAL

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SCHEDULE IV

GENERAL INFORMATION OF THE TENDERER

SI No	Particulars	Documents to be given
1	Name and Address of Tenderer	
2	Contact Details: Office Phone Mobile phone e-mail id	
3	PAN No	
4	GST Registration	
5	LUT Registration No with date	
6	MSME Status (Yes/No) If yes submit registration Certificate.	
7	BANK ACCOUNT DETAILS*	*Scanned copy of a cancelled cheque is to be submitted as proof of Account details
8	Name of the Bank	
9	Name of the beneficiary	
10	Branch	
11	Account Number	
12	IFSC Code	
13	Type of Account	

SIGNATURE OF BIDDER WITH SEAL

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SCHEDULE V

ACCEPTANCE FORM

(To be submitted in the letter head of the firm indicating full name and address, telephone numbers, email id etc.)

From

To
Deputy General Manager (P&S)
HLL Lifecare Limited
Kakkanad Factory, Plot No.16-A/1,
CSEZ PO, Cochin-682037,
PH: +91 484 2413999
Email: materialskfc@lifecarehll.com,

Dear Sir,

I / We, hereby offer to design/fabricate/supply/commission as detailed in schedule hereto or such portion thereof as you may specify in the acceptance of Bid at the price given in the price schedule and agree to hold this offer open till 90 days after the date of bid opening prescribed by the purchaser. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications in the bid document hereto and are fully aware of the nature of the scope of work required and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above.

Yours faithfully,

NAME & SIGNATURE OF THE BIDDER

(COMPANY SEAL)

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SCHEDULE VI

PRICE BID FORMAT FOR QUOTING

SCHEDULE OF WORK					
Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) -					
SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
1.01	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C	56	Point		
1.02	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	625	Meter		
1.03	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	325	Meter		
1.04	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 4 sq. mm + 2 X 4 sq. mm earth wire	185	Meter		
1.05	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	4	Each		
1.06	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	50	Each		
1.07	Supply & installation of light fittings on TW round block Supply, conveyance installation testing and commissioning the light fittings of following types made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as required.1200 mm 2X20W LED Lamp with box type fixture	40	Each		

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Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) -					
SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
1.08	Supply, Installation, testing and commissioning of ceiling fan of following sizes including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required. 1200mm sweep - ceiling fan complete with service value minimum 4.0(cub meter/minute/Watt), Air delivery minimum 210(cubic meter/minute), Copper winding suitable for 230V/240V single phase AC supply	6	Each		
1.09	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	6	Each		
1.10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	10	Each		
1.11	Supplying and fixing PVC batten/ angle holder including connection	4	Each		
1.12	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C"; curve TP MCB complete with connections, testing and commissioning etc. as required.	2	Each		
1.13	Supply, Installation of minimum 9 Watt LED Bulb. Make : Philips, Havells, Wipro	4	Each		
1.14	Supply, Installation, Testing and Commissioning of 300 mm sweep, 900 rpm heavy duty exhaust fan with louver in existing opening including making good the hole to suite the size of above fan complete with connections using 3 core 1.5sqmm multi core pvc sheathed copper conductor cable etc as required.	4	Each		
2	Distribution Board				
2.01	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP 42/43)	1	Each		

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Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) -					
SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
2.02	Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)	1	Each		
2.03	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	30	Each		
2.04	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral	1	Each		
2.05	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Double pole	1	Each		
2.06	Supplying and fixing 5A to 32 A rating, 240/415 volts, 10 kA, ""C"" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	2	Each		
2.07	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10	Each		
2.08	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 Amps	1	Each		
2.09	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps	1	Each		

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SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
2.10	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli Amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	1	Each		
2.11	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli Amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63 amps	1	Each		
2.12	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	2	Each		
2.13	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 amps; C curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2	Each		
3	Cables				
3.01	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 10 sq mm with factory made clamp	28	Meter		
3.02	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 16 sq mm with factory made clamp	25	Meter		
3.03	Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.4 core 25 sq mm with factory made clamp	75	Meter		

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Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) -					
SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
3.04	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required 3.15 mm copper conductor (10 SWG)	256	Meter		
3.05	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	0.6	Meter		
3.06	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)	2	set		
3.07	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 16 sq. mm (28mm)	2	set		
3.08	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 25 sq. mm (28mm)	2	set		
4	Metering Panel				
4.01	Supply and fixing of CT Meter panel Seven Tank Processed powder coated color code Siemens grey fabricated out of 16G CRCA sheet (1.6mm) gauge double door Wall mounted type meter box with the following including test report of CT 63A 25ka 4 pole MCCB -1No CT 100/5,VA10,Clas .5S -4Nos Neutral bus bar -1No Space for 3 phase energy meter	1	Set		
4.02	Supply and fixing of 250A -32A 4P Tap-off box with IP54 protection having , Phase shrouding, safety door interlock, rigid PIO to MCCB connection, locking facility, IEC61439-6 for incoming supply from CSEZ bus bar duct	1	No		
4.03	Supply and fixing of 4 pole 63A 25KA MCCB	2	No		
4.04	Supply and fixing of 3 phase CT type KWh Meter including test	1	No		

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Tender No: HLL/KFC/PUR/Electric Work/2026

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Electrical works at warehouse facility for HLL Kakkanad Factory (KFC) inside Cochin Special Economic Zone (CSEZ) -					
SI No	Wiring	Qty	Unit	Rate without GST	Amount Without GST
5	Document Approval				
5.01	Professional charges for power allocation including the preparation and submission of necessary forms, documents, schematic drawings, completion reports etc.; as per electrical inspectorate standards procuring scheme approval from various statutory bodies, arranging inspection and getting energisation letter from electrical inspectorate including all incidental expense except actual statutory charges/fees Note: Statuary fees, additional deposits shall be paid by contractor, and same will be reimbursed by HLL on receipt of original challan/document	1	No		
Total without GST					

NOTE: Kakkanad Factory is located in Special Economic Zone, Cochin and **GST is Zero rated for HLL Lifecare Limited, Kakkanad, Kochi.** Bidder may avail the benefits of special economic zone while quoting to this zone.

- **Make of each items as given in Annexure I**

NAME & SIGNATURE OF THE BIDDER

(COMPANY SEAL)

NB: The bidder may refer the Specifications, Terms & conditions before filling this format. The bidder should indicate the calculations/ assumptions/split ups to arrive at the final price in a separate sheet and attach the same to this schedule.

ANNEXURE - I
LIST OF APPROVED MAKES

Sl. No	Details of equipment/ material	Make/ Manufacturer
CIVIL WORKS		
1	Cement	ACC/ Ultra tech/ JK Cement/ Ambuja/ India cement/ Ramco/ Dalmia/ Malabar Cement/ Birla/Cement Corporation of India/ Bharati
2	Cement: White and putty	Birla White / JK
3	Reinforcement Steel / Structural Steel	SAIL/ RINL/ TATA Steel Ltd./ Jindal Steel & Power Ltd./ JSW Steel Ltd./ TISCO/ VSP/ IISCO/Vizag
4	Ceramic and Vitrified tiles	Kajaria / Johnson/ RAK/Somany
5	Adhesive for tiles	Cico / Pidilite / BalEndura / Sikka / Fosroc / Roff
6	Epoxy Flooring	Fosroc / Dr.Beck / Flamaflor / BASF / Asian
7	PVC Flooring	LG Floors / Gerflor / Premier Vinyl flooring / Armstrong
8	Compressed Chequered tiles	Somany / Kajaria / Johnson / RAK
9	Carpet Flooring & Skirting	Forbo/ Polyflor/ Tarket
10	Vacuum Dewatered Flooring	Tremix / Sun Build / Avcon technics
11	Gypsum Board / Gypsum False Ceiling/ Gypsum Partitions	Boral Gypsum/ India Gypsum/ Saint Gobain (Gyproc)
12	False Ceiling - Calcium Silicate Boards & Tiles	India Gypsum/ Aerolite/ RAMCO (Hilux)/ Saint Gobain (Gyproc)
13	False Ceiling - Metal	Armstrong/ Hunter-Douglas/ USG / Unimet
14	False Ceiling - Mineral fibre	Armstrong/ Decosonic/ USG/ AMF/ Saint Gobain (Gyproc)
15	Glass Wool / Insulation Boards	Rockwool/ UP Twiga / Lloyd Insulation
16	Paints - Cement Based	Snowcem Plus/ Asian / Dulux/ Berger/ Nerolac
17	Paints - Epoxy paint	ICI Dulux/ Nerolac/ Cico/ Sikka / BASF / Berger / Pidilite
18	Paints - Other Paints / Primer	ICI Dulux/ Asian / Nerolac/ Berger/ Nippon
19	Paints - Plastic Emulsion Paint	ICI Dulux/ Asian / Nerolac/ Berger/ Nippon
20	Paints - Synthetic Enamel Paints	ICI Dulux (Gloss)/ Asian (Apcolite)/ Berger/ Nerolac
21	Paints - Texture paint	Spectrum / Unilite Heritage / Asian / Berger
22	Pre-coated Galvanised Steel Sheet	TATA BlueScope / Lloyd Insulations India Ltd / S.R.Metals / JSW
23	Polycarbonate Sheets	Galina/ GE Plastic / Skyarch/ Polytechno/ Tuflite / Aerolite
24	Pre-Laminated Particle Board	Novapan /Century /Green Ply /AK Plywood/ Merino
25	Plywood/Block board/Ply board	Duro/ Greenply/ Century/ Kitply/ National / ArchiPLY/ Merino
26	Veneered Particle Board	Greenply / Century / Novapan
27	Adhesive for Wood Work	Fevicol/ Vamicol/ Dunlop
28	Aluminium Extrusion/ Sections	Hindalco / JSW / TATA Bluescope
29	Clear Glass / Clear Float Glass / Toughened Glass	Modi/ Saint Gobain (SG)/ Asahi India Safety Glass Ltd/ Modiguard
30	Glass: Float & Mirror	Saint Gobain/ Asahi India Safety
31	Glass for Aluminum Doors/ Windows/ Structural Glazing	Modiguard/ Saint Gobain/ Asahi India Safety Glass Ltd.
32	Silicon sealants /Weather Sealant / Structural Glazing Sealant	GE- Silicon / Pidilite / Forsoc / CICO/ Sikka
33	UPVC Doors & Windows	Fenesta/ Lingel/ CASSA/ Evolution/ Kommerling/ NCL Wintec
34	UPVC Toilet Doors	AMD Overseas/ Fenesta/ Lingel/ CASSA/ Evolution/ Kommerling/ NCL Wintec
35	PVC Doors	Sintex/ Polyex/ Rajshri
36	Door closer / Floor spring	Everite/ Dorma (Frameless Door)/ Godrej / Ozone/ Hafele
37	Door Locks	Godrej / Hettich/ / Hafele
38	Door Seal – Woolpile Weather Strip	AnandReddiplex/ Enviroseal
39	Doors & Windows Fixtures / Fitting	Everite/ Classic/ Crown/ Earl Bihari
40	Door Shutter - Flush	Duro/ Greenply/ ArchiPLY/ Century/ Merino/ AK Plywood
41	E.P.D.M Gaskets	AnandReddiplex/ Enviro Seals
42	Aluminium Composite Panels	Aludecor / Alucobond / Alstone
43	Sunken Portion Treatment	Sika/ CICO/ BASF/ Bostik/ Dr.Fixit
44	Water Proofing Materials (Bitumenistic)	BASF/ Fosroc / Sikka / CICO / Pidilite/ STP/ Endura / Asian
45	Vitreous China/ Sanitary ware/ WC Pan/ European WC/ Urinal/ Wash basin/ Stainless Steel Kitchen Sink/ PVC Waste Pipe/ Mirror/ PTMT waste coupling/ PTMT Towel Rail	Jaquar / Kohler / American Standard / Grohe
46	Sensor Operated Auto Flushing System Urinals	Jaquar / Kohler / American Standard / Grohe
47	CPVC Pipes & Fittings	Supreme/ Astral/ Finolex/ Prince
48	UPVC Pipes & fittings	Finolex / Supreme / Astral / Prince
49	CP Brass Fittings	Jaquar / Kohler / American Standard / Grohe
50	C.P. Waste, Spreaders, Urinal	Jaquar / Kohler / American Standard / Grohe
51	Ball Cock	Sant / L&T/ Audco/ Gpa
52	Ball valves with floats	Zoloto / Leader / Sant
53	Brass stop & Bib Cock	Jaquar / Kohler / American Standard / Grohe
54	Butterfly valves	Zoloto/ Intervolve/ Kitz
55	C.I. Manhole Covers	Neco/ R.I.F./ B.I.C./ Hepco/ SKF/ Kajeco
56	C.P. Fittings Mixer / Pillar taps / C.P brass angle valve / Valves Washers, C.P. brass accessories	Jaquar / Kohler / American Standard / Grohe
57	Gun Metal gate valve	Leader / Kirloskar/ Sant/ Zoloto
58	Brass Ball Valve	Supreme/ Finolex/ Astral/ Kirloskar
59	Anchor Fastener	Hilti / Fischer /Bosch
60	SS Gratings/ Soap Dish/ Towel Rail and other SS fitting	Camry/ Glacier/ Gem/ Jaquar/ Grohe
61	PVC Floor trap	Jay / Saffron / Platinum / Khodiyar/ Supreme/ Finolex
62	P.T.M.T. Fitting	Cera/ Prayag/ Polytuf

63	PVC flushing cistern	Parryware / Hindware/ Jaquar/ Cera
Sl. No	Details of equipment/ material	Make/ Manufacturer
64	PVC Pipes & fitting, Waste & Vent Pipes and fittings, Type B PVC Casing & Screen Pipes	Prince / Supreme / Finolex / Astral
65	PVC Water Stops	Prince /Supreme/ Finolex / Astral
66	SW pipes & gully trap	Perfect / SKF/ R.K/ Hind/ Anand
67	C.I. Manhole Covers	Neco / RIF / Hepco/ SKF/ Kajeco
68	Sluice valve / NRV	Kirloskar/ IVC/ Zoloto/ Leader/ L&T/ Audco
69	Submersible Drainage pump	Grundfos / Wilo-Mather &Platt / Amstrong/ Xylem
70	Drainage Pumps	Grundfos/ KSB/ Wilo -Mather &Platt
71	VFD Pump	Grundfos/ Wilo -Mather &Platt/Xylem
72	Centrifugal pump set	Wilo-Mather & Platt
73	Water supply pumps	Grundfos / Wilo-Mather &Platt
74	Water Meter	Kranti/ Anand/ Kant/ Aristo/ Dasmesh/ Chambal
75	Water Cooler	Blue Star/ Voltas/ Usha/ Godrej
76	Polyethylene Storage Tank	Sintex / Polycan/ Fusion
ELECTRICAL WORKS		
1	11 KV HT Panel/ RMU with 11kV Vacuum Circuit Breaker (VCB) / SF6 Breaker	L&T/ ABB / Schneider/ Siemens/ Megawin/ Unitech Electrical/ Eaton
2	ACB (TP,4P) with variable microprocessor	L&T (U-Power Omega)/ Siemens (3 WL)/ Schneider (NW) / ABB (Emax2)/ Legrand (DMX3)/ Eaton (IZMX Series)
3	Auto Changeover & Current Limiter (ACCL)	Indo Asian/ Salzer/ Elmeasure/ L&T/ ABB / Siemens/ Schneider/ Legrand / Hager/ Eaton/ HPL
4	Automatic Transfer Switch (ATS)	L&T/ ABB/ Siemens/ Schneider / Socomec/ Hager/ Legrand/ HPL
5	Alarm Annunciators/ Auxiliary relays compatible with PLC	Siemens/ L&T/ ABB/ Areva/ Schnieder/ Minilec
6	Air Curtain	Euronics/Almonard/ Mitsubishi/ VTS Wings
7	Batteries	Hitachi/Panasonic/ Yuasa/ Exide/ Amco/ Amaraja-Amaron/ Tata
8	Battery Charger	Amaraja/ Volstat/Chloride Power System/ Expo-Fyn/HBL /Sabnife/ Statcon/Max Power (Mahamai)
9	Bus Ducts & Rising Mains (Sandwich Type) Bus Trunking, E	L&T/ Schneider/ C&S/ Godrej/ Legrand/ EAE
10	Cable Jointing/ Termination Kit	Raychem/ Xicon/ 3M
11	Cable Trays & its accessories	MEM/ BEC/ OBO Bettermann/ Airef/ AKG /Indiana/ Legrand/ RMCON/ Honeywell / Fixotech / RR Ispat
12	Race ways / Floor trunking / wall channels	Legrand/ Honeywell MK/ Schnieder/ AKG / OBO Bettermann
13	Call Bell / Door Bell switches & Buzzers	Havells/ Schneider/ ABB/ Siemens/ Indo Asian/ Panasonic
14	Call Bell with Video Door Phone	Honeywell/ Hikvision/ Godrej/ Panasonic/ Crabtree/ CP Plus/ Wipro
15	Capacitor Banks	L&T/ Siemens / Schneider/ ABB/ Ducati/ Neptune/ Meher/ EPCOS/ Shreem
16	Ceiling /Exhaust/ Wall fans	Crompton/ Usha/Orient/ Bajaj Electrical
17	Coaxial Wires	Finolex/ L&T/ KEI/ Gloster/ Polycab/ Legrand
18	Current Transformer/ Potential Transformer	L&T/ Kappa/ AE / Meco/ Gilbert/ Maxwell/Megawin
19	Cubicle Type Fuse Unit/ RMU	Siemens/ L&T/ ABB/ Schneider/ Eaton/ Megawin
20	Distribution Boards (DB)	Legrand/ L&T/ABB/ HPL/ Schneider / Siemens/ C&S
21	DG Set - Assembler	Jakson & Company / Jakson Ltd/ Sterling Generators / Sudhir Gensets/ Powerica/ Kirloskar (KOEL authorized OEM) / TIPL (Gainwell) / Greaves Cotton/ Captiva Energy Solutions Pvt. Ltd.
22	DG Set - Alternator	Stamford/ Leroy Somer/ Toyo Denki/ AVK- SEG
23	DG Set - Engine	Cummins/ Mitsubishi/ Perkins/ Volvo/ Caterpillar
24	DG Synchronizing Controller	Woodward/ Dief/ Deep sea
25	Door Frame Metal Detectors	Metscan/ Trust Security System/ ID Tech Solutions/ Smith Detection/ Rapiscan
26	DWC (Double Walled Corrugated) Pipe	Duraline / Rex / Carlon/ Emtelle/ Astral/ Gemini/ Supreme/ Polypack/ Finolex
27	Earthing System	LPI/ Indelec/ APS/OBO Bettermann/ JMV/ CAPE/as per approved by EIC
28	Electrical Motors	ABB/ Siemens/ Kirloskar/ Bharat Bijlee / Crompton Greaves
29	Expansion Bellows for DG Exhaust Pipes	Dunlop/ Easyflex/ Kanwal/ Resistoflex/ Dwren
30	Fiber Optical Cable	Sterlite/ Finolex/ Belden/ Delton/ Skytone/ Legrand/ RPG/ Corning/ R&M/ Commscope
31	Fire Survival Cables	KEI/ Polycab / Wrexham/ Finolex/ RR Kable
32	Glands and Lugs	Dowel/ Comet/ Gripwell/ Hex/ HMI/ Raychem/ Jainson/ Skytone
33	Hand Gloves & Rubber Mats	Premier Polyfim Ltd/ Polyelectrosafe/ Challenger/ Electromat/ Safe Hold
34	High Mast Poles	Valmount/ Bajaj/ Transrail/ Salasar/ RR Ispat
35	HRC Fuse	L&T/ Siemens/ ABB/ Legrand/ Eaton Schnieder/ Hager
36	HT Cables & LT Cables	Gloster/ Nicco/ Finolex/ KEI/ Polycab/ RR Kable
37	Hybrid Capacitor Panel – IGBT Based	P2 Power/ ABB/ Neptune/ L&T/ Siemens/ Schneider/ Legrand/ Shreem
38	Indicating Lamps	AE/ Kaycee/ Vaishnav/ L&T/ Siemens/ Schnieder/ Teknik/ ABB/ Legrand
39	Industrial Plug & Socket Outlets	ABB/ L&T/ Legrand/ Siemens/ Hager/ Schnieder/ Neptune/ Eaton/ Phoenix
40	Insulated Rubber Mat	Premier Polyfilm Ltd/ Polyelectrosafe/ Challenger/ Electro Mat/ Safe Hold / Aeroflex
41	Inverter	Microtek / Luminous / Su-Kam/ Eaton/Hykon
42	Isolators	Siemens/ L&T/ ABB/Socomec/ Schnieder
43	Isolation Panels for Modular OT	Pieco/ Schnieder/ Socomec/ ABB/ Siemens/ Hakel
44	LED Light Fixtures and Lamps	Philips/ Wipro/ Bajaj/ Crompton/ HPL/ Jaquar
45	LED Lighting for Façade	Philips/ Wipro/Bajaj/ Crompton/ HPL/ Jaquar
46	Lighting Automation & Control System	Wipro/ Siemens/ Philips/ Schneider/ ABB/ L&T/ Crestron/ Legrand/ Honeywell/ Crompton
47	Lightening Protection System & Earthing System	L&P ELECTRO/ LPI/ Indelec/ APS/OBO Bettermann/ Hakel/ JMV/ ABB/ Dehn / Cape
48	MCBs / RCCB/Isolators / RCBO / Change over switch/ Time	Legrand/ L&T/ Schneider/ ABB/ Siemens C&S

Sl. No	Details of equipment/ material	Make/ Manufacturer
49	MCCB with Variable Microprocessor based (O/C, S/C, E/F)	L&T (D-Sine)/ Schneider (CVS)/ ABB (Tmax)/ Siemens (3VA)/ Legrand (DPX3)/ Eaton (NZM Series)
50	Measuring Instruments (Analog Meter)	L&T/ AE/ MECO/ Rishabh/ Schnieder/ Eaton
51	Measuring Instruments (Digital Type) – Multifunction Met	L&T/ Ducati/ Conzerv/ Secure/ Siemens/ Schnieder/ ABB/ Eaton/ Socomec/ Elmeasure/ Minilec/ Rishabh/ Neptune / HPL
52	Modular Switches, Socket Outlets, USB Charger Sockets, F	Schnieder (Zencelo)/ Wipro (North West- Platia)/ ABB (Ivie) / Honeywell (Blenze Plus)/ Legrand (Myrius)/ L&T (Englaze)
53	Motor Protection Circuit Breaker (MPCB)	L&T/ Siemens/ ABB/ Schnieder/ Eaton/ Hager/ Legrand
54	MS Conduit & Accessories	BEC/ AKG/ Steel Kraft/ RMCON/ JPC Pipes/ Anchor
55	NIFPES (Nitrogen Injection Fire Prevention cum Extinguish	CTR/ Vendere Sales Services (I) Pvt. Ltd/ Tectonicus Services (India)Pvt. Ltd.
56	Occupancy Sensors	Phillips/ Schneider/ Legrand/ Wipro/ L&T/ ABB/ Siemens
57	On Load Tap Charger	CTR/ OLG/ EASUN MR
58	Package/ Unitised Substation	ABB/ Siemens/ Schnieder/ C&S / Megawin
59	Push Buttons	Siemens/ L&T/ ABB/ Schneider/ Teknik/ Legrand/ Eaton
60	PVC insulated FRLS – Copper, 1.1 KV grade flexible wires	Gloster/ KEI / Polycab / Finolex/ RR Kable
61	PVC Conduit, PVC Raceways, PVC Casing/capping, uPVC W	Clipsal/ Balco/ Precision/ Norpack/ JPC Pipes/ Hensel/ Honeywell/ OBO Bettermann/ Legrand
62	Relays /Contactors/Timers/ Single Phase Preventer/ Starters	Siemens/ L&T/ Schneider/ ABB/ Legrand/ Eaton
63	Rotary Gear Pumps	Rotodel/ Kirloskar/ KSB
64	Selector Switch	Siemens/ L&T/ Teknik/ Salzer/ ABB Schnieder/ Legrand/ Eaton
65	Street Light Poles/ Post Top Lanterns/ Bollards/ Gate Light	Philips/ Wipro/ Bajaj / Crompton
66	Solar Street Light Poles with Fixtures & all accessories (All	Philips/ Wipro/ Bajaj / Crompton
67	Surge Protection Device (SPD) & Surge Arrester /Diverter,	Tercel/ ABB/ Siemens/ Hager/ Eaton/ Phoenix/ Legrand/ L&T/Schneider/ OBO- Bettermann
68	SCADA & BMS System	Schneider/ L&T/ Honeywell / Siemens/ ABB/ Legrand/ Panasonic
69	TV Splitter Box/ Tap-off	Zinwell/ Novatron/ Catvision
70	TV Socket Outlets	Systemax/ Belden/ Simone/ Legrand/ Havells/ Hager/ ABB/ Schnieder/ Siemens/ R&M
71	Terminal Block/ Connectors	Dowells/ Elemex/ Wago/ Phoenix Connectwell
72	Transformer (Oil Type/ Dry Type)	ABB/ Siemens/ Kirloskar/ Voltamp/ Schneider/ Crompton/Megawin
73	Trivector - Meter (Digital type)	L&T/ Siemens/ Socomec/ Schnieder/ ABB
74	Uninterruptible Power Supply (UPS)	Emerson (Vertiv)/ Schnieder (APC)/ Numeric
75	Variable Frequency Drive (VFD)	L&T/ Siemens/ Danfoss/ ABB/ Schneider
76	Lifts	OTIS/ Mitsubishi/ Schindler/ Thyssenkrupp (TK Elevatoar)
77	Dumb Waiter Lifts	OTIS/ Schindler/ Thyssenkrupp (TK Elevatoar)
	ELV SYSTEM	
78	Door Controller, Card Reader, Biometric Reader, Access Co	Honeywell/Bosch/HID/Spectra/ Idemia- Morpho / Virdi/ Lenel/ Siemens / Dormakaba
79	Electro Magnetic Lock	Cisa/ Faraday/Trimec/ Honeywell/ Bosch/ HID/Spectra/ Idemia-Morpho/ Virdi/ Lenel/ Dormakaba/ Siemens
80	CAT 6/6a Wire/Accessories – Jack / Panel	Molex/ Simone/ Panduit/ Commscope/ Cisco/ Legrand/TADIRAN/ Finolex/ Delton/ Skytone/ KEI/ Bonton/ R&M
81	CCTV Camera/ NVR/Central Monitoring Software / Other Items	Honeywell /Cisco /Bosch/Tyco
82	Door Interlocking System	NRH/ Eltech/ Avon
83	PA System, Amplifier, PA Speaker, Voice Controller, Paging	Bosch/ Honeywell/ Bose/ Beyerdynamic /Clear One /Clock Audio/ Sony/ AKG- Harman/ Shure/ Schrack/ Aties/Apart
84	RG-6, RG-11Wire/ Coaxial Cables	Finolex/ Delton/ Skytone/ L&T/ KEI/ Bonton/ Gloster/ Polycab/ Belden/ Legrand/ Havells/ Commscope
85	Speaker Wire	Bonton/Delton/Polycab/KEI/ Legrand / Kramer/ Belden/ Commscope
86	LED Video Wall/ Flat Panel Display	LG/ Samsung/ Christie/ NEC/ Planar/ Sony/ Philips/ Panasonic
87	Active components	Cisco – SG Series / Netgear / D link / Zyxel
88	Network rack	Legrand / D Link / Netrack / Wal Rack
89	Server PC	DELL / HP / Lenovo
90	Hard Disk	Seagate / LG / Thoshiba / DELL / Sandisk

Sl. No	Details of equipment/ material	Make/ Manufacturer
	HVAC SYSTEM	
91	Adhesives for Insulation	Pidilite/ Superlon / Armacell
92	Adjustable Frequency Drive/ Automatic AFD Bypass/ Pum	Xylem-ITT/ Grundfos/Armstrong/ Anergy or as per OEM for Water Pumps
93	Air Cooled Package Units	Daikin/ Carrier/ Mitsubishi
94	Air Curtains	Euronics/ Almonard/ Mitsubishi/ VTS Wings
95	Air & Dirt Separator/ Dirt Separator	Spirotech/ Optivent / Flamco/ Armstrong/ Anergy/ Emerald/ Calefi
96	Air Distribution (Ducting) -GI/GSS Sheets	SAIL / TATA Steel/ Jindal
97	Air Handling Units with Coils	Zeco/ Edgetech/ VTS/ Flaktwood/ System Air
98	Air Louvers – Fresh/ Exhaust	Titus/ Trox/ Systemair/Caryaire/ Mapro/ Airflow
99	Air Washer	Zeco/ Edgetech/ VTS
100	Air Bi-polar Ionizers / Air Purification System/ Air Quality	Plasma Air/ Aerisa/ Bentaxna/ RGF/ Global Plasma Solutions
101	Aluminium Sheet for Ducts	Jindal/ Hindalco/ Sterlite
102	Automatic Air Vent	Anergy / Rapid Cool/Emerald/CIM/ RB
103	Axial Flow Fans	Kruger / Systemair /Greenheck/ Wolter / Nicotra / Airflow / Maico Ventilation (Dynair)
104	Balancing Valves (Water Duty)	Advance / Audco/ L&T/ Honeywell/ Danfoss/ Belimo
105	Ball Valves (With & W/O Strainers)	Audco /KSB/Advance/ L&T /Zoloto / Danfoss
106	Butterfly Valves (Water Duty)	Advance / Audco/ L&T/Zoloto/KSB/ Danfoss
107	Cable Lugs/Thimbles/Glands	As per Approved Makes of Electrical Works
108	Cable Tray	As per Approved Makes of Electrical Works
109	CAV Box/ VAV Box	System Air/ Honeywell / Johnson's Control/ Belimo/ Danfoss/ L&T
110	Centrifugal Fans/Fan Section/Plug Fans	Kruger / Greenheck /Comefri/ Wolter/ Nicotra/ Systemair/ Airflow/ Maico Ventilation (Dynair)
111	Check Valve/ Foot Valve/ Sluice Valve/ NRV	Advance / Audco/ L&T/Zoloto/ KSB/ Sant/ Leader
112	Chillers	Daikin / Carrier / Trane / York/ Climaveneta
113	Chilled Water Pump (Primary/Secondary)/ Condenser/Hot	Armstrong / Grundfoss/ Xylem/ ITT/ KSB/ Kirloskar/ Wilo-Mather & Platt
114	Chilled Water Cassette Unit	Carrier/ Trane/ Daikin/ Johnson Controls
115	Control Cables	As per Electrical Makes
116	Cooling Tower	Bell / Paharpur/ Mihir/ Advance
117	CPRX Compound/ Tar felt	Shalimar tar product / Asian / Pidilite
118	Dehumidifiers	Bryair/ Origin/ Condair/ Dehumidifier India/ DRI
119	Dry Scrubber / Wet Scrubber	Rydair/ Trion/ Honeywell/ Zeco/ Edgetech
120	Duct Dampers/ Grills/ Diffuser/ VCD/ Collar Damper etc.	Caryaire/Systemair/ Dynacraft /Airflow (Mapro)/ Air Master
121	Electric Motor	ABB/ Siemens/ Crompton Greaves / Baldor/ Kirloskar/ Bharat Bijlee/ Marathon
122	Electric Motor (Fire Rated)	Marathon/ Havells/ Baldor / Rotomotive/ ABB/ Kirloskar
123	Expansion Tank	Xylem-ITT/ Armstrong/ Grundfos /Flamco/ Anergy
124	Factory Fabricated Duct & Flanges	Rolastar / Zeco / Ductofab / Technofab/ GPS Spiro/ Multiline/ Seven Star
125	Fan Coil Units with Fans	VTS/Flaktwood/Daikin/Carrier/Johnson Control/ Caryaire/ Zeco
126	Fasteners	Hilti / Fischer / Wuerth/ Bosch/ 3M
127	FCU Copper Connection Set/ FCU Link	ATS/ Oventrop/ CSI/ Anergy
128	Filters - Pre/ Fine/ Hepa	Thermadyne / Spectrum/ Camfil/ American Air Filter/ Aerofil/ Pyramid
129	Fire Damper Actuator	Belimo/ Siemens/ Danfoss/ Honeywell/ Johnson
130	Fire Dampers / Smoke Dampers	Trox/ Greenheck/ Ruskin/ Titus/ Systemair/ Caryaire/ AirFlow
131	Flame Free Jointing of copper pipes	Rapid Locking System/ Maxi Pro
132	Flexible Duct Connection	Airflow/ Pyroguard / Rolastar/ UP Twiga
133	Flexible Pipe Connection	Resistoflex/ Easyflex/ Diamond/ Dunlop
134	FRP lining for condenser piping	Owen-corning/ UP Twiga/ Binani
135	GI/ MS Piping (chilled/condenser/drain/hot)	Jindal / Tata / SAIL
136	Globe/ Gate Valve	Audco / Advance / Danfoss/ L&T/ KSB/ Zoloto
137	Heat Recovery Exchanger/ Ventilator/ Wheel	Ostberg/ DRI / Flaktwoods/ Heatex/ BryAir
138	Hot Water Generators	KEPL / Rapid cool/ Emerald/ Enmax
139	Humidifier	KEPL / Rapid cool/ Emerald / Enmax
140	Inline Fans	Kruger / Nicotra/ Greenheck/ Ostberg/ Airflow
141	Insulation Materials	
	a) Fiber Glass – Aluminium faced Insulation	UP Twiga / Owens Corning/ Kimmco
	b) Polyurethane Foam (PUF) Insulation	Styrene Packaging & Insulations/Lloyd Insulations/ Supreme
	c) Nitrile Rubber Insulation with antimicrobial properties	K-Flex/ Superlon/Armacell/ Supreme/ Aeroflex/ Aerozell/ Aerofoam (Hira)
	d) XLPE Insulation	Supreme/ Vidoflex/ Trocellene/ Aerofoam (Hira)
	e) Expanded Polystyrene Insulation	Styrene Packing/ Beardsell
141	Laminar Flow HEPA Tent	Systemair/TROX/American Air Filter/ Conaire/ Thermadyne/ Airtech
142	Magnehelic Gauges	Mitbraus Instruments/ Dwyer / Omicron
143	Motorized Butterfly Valve	Honeywell/Belimo/Danfoss/Siemens
144	Modular Pipe Supports, Brackets, Hanging System for HVA	Hilti/ Gripple/ HIRA-Walraven/ Mupro
145	Pre insulated Ducts	Pal/Zeco/ ALP/ Kingspan/ Spiro / UP Twiga
146	Pipe Clamps, Hangers, Suspension Supports etc	Easyflex/Resistoflex/Diamond/ Hira- Walraven
147	Pipe Supports-PUF	Llyod insulation/ Melanpur/ Beardsell
148	Power & Control Cables	As per Electrical Makes List
149	Pressure / Temperature Gauges	H. Guru / Feibig / Warree/ H.D./ Omicron
150	Propeller Fans	Crompton/ Khaitan/ Alstom/ Bajaj/GE/ Havells/ Maico Ventilation (Dynair)/ Marathon
151	Pressure Independent Balancing & Control Valve – 2 Way	Siemens/ Danfoss/Oventrop /Belimo/ Honeywell/ Johnson Controls/ Advance
152	Precision AC Units	Schneider/ Vertive/ Stulz/ Carrier/ Daikin/ Mitsubishi
153	Purge Valve/ Drain Valve	Audco/ Advance / Anergy/ Zoloto/ Advance
154	PVC /uPVC Pipes	Polypack/ Supreme/ Astral/ Finolex/ AKG
155	Pot Strainer	Emerald/ VTM/ Advance
156	Refrigerant Copper Pipes	Mandev Tubes/Rajco Metal/Mehta Tubes (Max Flow)/ Kwaliti Tubes (Raj State)/ Totaline
157	Room Thermostat	Honeywell/ Johnson/ Siemens/ Danfoss Schneider
158	RP Tissue	UP Twiga/ Styrene Packing/ National Industrial Co.
159	Split AC Units	Toshiba/ Daikin/ Carrier

Sl. No	Details of equipment/ material	Make/ Manufacturer
160	Starters/ Change over switch/ Push Buttons/ Relays/ Indic	As per respective Electrical Makes
161	Strip Heater	Das Pass/ Escorts/ KEPL
162	Thermostat / Humidistat	Honeywell / Johnson / Siemens / Schneider/ Omicron
163	UV & Weather protective Coating	Pidilite/ Foster/ Amicon
164	UVGI System (Ultra-Violet Germicidal Irradiation System)	Ruks/ Alfa UV/ Sterile Air/ American Ultra Violet/ Philips
165	V-Belt	Dunlop/ Fenner/ Hilton
166	Vacuum Degasser	Spirotech/ Optivent / Flamco/ Anergy/ Emerald/ Calefi
167	Variable Frequency Drive	Siemens/ Danfoss/ABB/ Schneider/ L&T/ Armstrong
168	VRV/ VRF System	Mitsubishi Electric/ Daikin/ Toshiba/ Carrier
169	Vibration Eliminator Mounting Pads & Pipe Connectors	Resistoflex / Dwren / Kanwal/ Hira- Walraven/ Dunlop/ Easyflex
170	Water Flow Switch	Honeywell/ Danfoss/ Belimo/ Emerald/ Rapid Cool / Anergy/ Omicron/ Seimens
171	Y- Strainer	Zoloto/Audco /Emerald/ Rapid Cool/ Advance/ Sant
IPABX/ EPABX & TELEPHONE SYSTEMS		
172	Telephone cable (2/4 /10 / 20/ 50/ 100 PAIR CABLES) / RJ 11 wires	Belden/ Simone/ Panduit/ Commscope/ Cisco/ Legrand/Tadiran/ Finolex/ Delton/ Skytone/ KEI/ Bonton/ Gloster/ Polycab/ Havells/ Molex
173	Digital/ANALOG PHONES/ Handsets/IP phones	Beetel/Panasonic /Siemens / Alcatel/ Cisco / Coral
174	IPABX / EPABX System	Alcatel/ Avaya/ Cisco/ Siemens/ Nortel/ Matrix/ Panasonic/ Coral
175	MDF/ IDF	Krone/ TVS/ Finolex
176	Telephone Tag Block/ Jack Panel	Krone/ Phoenix/ Wago/ Belden/ Panduit/ Huwaei/ Legrand/ Commscope
177	Socket, Keystone Module & Face Plate	Havells (Crabtree-Murano)/ Schnieder (Zencelo)/ Wipro (North West- Platia)/ ABB (Ivie) / Anchor (Roma Plus)/ Honeywell (Blenze Plus)/ Legrand (Myrius)/ Panasonic (Europa)/ L&T (Englaze)/ Indoasian (Shynora)
DATA NETWORKING & WIFI SYSTEM		
178	Active Components – Core and Edge Switch, Indoor/ Outd	Cisco/ Juniper/ HP/ Dell / Alcatel/ Ruckus/ Extreme/ D-Link
179	Distribution rack and server rack	Rittal/ Netrack/ Cisco/MTS/ APW/ Legrand - Valrack / Chief/ Middle Atlantica/ Schneider
180	Ethernet Switch / Indoor & Outdoor Wi-Fi device/ Trans-receivers	Cisco/ Juniper/ HP/ Dell/ Alcatel/ Ruckus/ D-Link
181	Routers	Alcatel/ Avaya/ Cisco/HP/ Juniper/ Ruckus
182	Server	IBM / Dell/ HP/ Cisco/ Alcatel
183	Firewall	Cisco/ Juniper/ HP/ Fortinet/ Palo Alto/ Check Point
184	Passive Components – Cat 6/Cat 6a/ Patch Panel/ Patch Co	Belden/ Simone/ Panduit/ Commscope/ Cisco/ Legrand/ Delton/ Skytone/ Bonton/ R&M/ Molex/ Schneider
185	Socket, Keystone Module & Face Plate	Havells (Crabtree-Murano)/ Schnieder (Zencelo)/ Wipro (North West- Platia)/ ABB (Ivie) / Anchor (Roma Plus)/ Honeywell (Blenze Plus)/ Legrand (Myrius)/ Panasonic (Europa)/ L&T (Englaze)/ Indoasian (Shynora)
Audio Visual System & Stage Lighting System for Auditorium & Conference Rooms		
186	Symmetrical Line Array Speakers, Flying Subwoofers, Loud	L-Acoustics/ Bose/ Martin-Audio/ Labgruppen/ Powersoft/ Harman/ d&b audio technica/ Bosch/ Apart
187	USB Player	Sony/ Philips/ Samsung/ Bose
188	Audio Conference System/ Delegate and chairman Microph	Beyerdynamic/Clear One /Clock Audio/ Sony/ AKG-Harman/ Telvic/ Bosch/ Audio technica
189	Digital Signal Processor	Bose / Symetrix / Bi-Amp/ Extron
190	Audio Mixer	Allen & Heath/ Behringer/ RCF
191	Equipment Rack	Rittal/ Netrack/ Cisco/ MTS/ APW/ Legrand/ Valrack / Chief/ Middle Atlantica
192	PVC Conduits & Raceways	AKG/BEC/ Hensal/ Clipsal/ Polypack/ Precision/ Norpack
193	Lighting Controllers & LED Dimmable Lights	Philips/ Wipro/ Havells / Lutron/Trilux/ ERCO/ Zumtobel
194	LED Signage Board	Wipro/ Philips/ Bajaj/Instapower/Decon/ Eaton
195	Video Projector	Christie/ Sony/ Panasonic/ Philips/ Epson/ Barco/ Digital Projection
196	Projection Screen	Draper/ Da-Lite/ Grandview/ Harkness/ Suvira/ Stewart
197	LED Display Monitors	LG/ Sony/ Panasonic/ Samsung
198	Video Wall/ Flat Panel Display	Christie/ NEC/ Planar/ Sony/ Philips/ Panasonic/ Samsung/ LG
199	Document Camera	Lumens/ Elmo/ Wolf Vision/ Sony
200	Video Conferencing System & Secondary Camera	Sony/ Polycom/ Pelco/ Cisco/ Lumens
201	HD PTZ Camera & Joystick	Sony/ Panasonic/ Pelco/Cisco/Bosch/ Lumens
202	Recorder/ Streamer	Lumens/ Mediasite/ Mediapointe
203	Cable Manager/ HD BaseT Transmitters/ HD BaseT receivers/ Scaler Extender/ Modular Matrix Switcher/ Multi Format Presentation Switcher/ HDMI Switcher/ HDMI Distribution Amplifier/ HD BaseT Distribution Amplifier/ Control System/ Wireless/Wired Touch Panel with accessories/ Button Control Panel with Accessories	Kramer/ Extron/ Lightware/ Crestron
204	Optical Fibre Cable	Extron/ Crestron/ Kramer/ Belden/ Legrand/ Commscope
205	Cat 6/6a Cable & Patch cords, connectors, adaptors	Belden/ Simone/ Panduit/ Commscope/ Cisco/ Legrand/Tadiran/ Crestron/ Molex
206	Network switch & Wifi access points	Netgear/ HPE/ Juniper/ Cisco/ Dell/ Alcatel/ Avaya/ D-Link
207	HDMI / VGA Cable, Microphone cable, control cable, HDM	Kramer/ Belden/ Klotz/ Extron/ Lightware/ Crestron/ Crystal
208	Stage Lighting – Spot Light, Par Light, Flood Light, Dimmer	Canara Lighting/ Effectron/ Stage Technologies/ Harman/ Philips/ ETC/ LEKSA/ Shenoy/ Lutron
209	Junction Box	ABB/L&T/Schneider/Legrand/ Hager/ OBO Bettermann/ Siemens
210	Accessories for Lighting Fixtures like C-Clamp, Safety bond	Canara Lighting/Doughty/Manfrotto / Avenger/ Leksa Lighting
211	Curtain Control Panels/ Remote Control/ Motorized Curta	Canara Lighting/ Effectron/ Stage Technologies/ Shenoy Lighting/ Waagner- Biro/ Leksa Lighting
212	RGY Laser	CT Lasers/ Canara Lighting/ Laser World
213	Fog Machine & Metal Gobos	Antari/ Canara Lighting/ Robe/ Effectron/ Stage Technologies
214	Fire Retardant Curtain, Plastic cyclorama screen	Ompile/ Raymond/ Mayur

Sl. No	Details of equipment/ material	Make/ Manufacturer
215	Lamps	Osram/ Philips/ Wipro/ Bajaj
216	DMX Signal Cable for DMX Network	Falcon/ Beldon/ Polycab/ Finolex/ Beldon/ Canara/ Leksa Lighting
217	DMX Lighting Controller & DMX Splitter	Avolites/Lite-Puter/Zero 88/ Canara Lighting/ Leksa Lighting
218	Smart Podium	Univeso / AHA / Tech Comm
219	Interactive White Board	Promethean / HiteVision / Smart
FIRE SAFETY WORKS		
1	M.S./G. I. pipes	TATA / JSW
2	Centrifugal Pumps	Grundfos / Mather & Platt/ Amstong
3	Motor	ABB / Siemens / KEC / CGL
4	Diesel Engine	Greaves / KOEL / Caterpillar
5	Batteries	Exide / AMCO
6	Butterfly Valves, Gate / Sluice Valve and Non return Valve	Audco / Leader / Intervolve / H Sarkar/ Zoloto
7	Globe Valve / Ball Valve	Audco / Leader /Sant / Zoloto
8	Strainer	Gujarat Autofilt / Jaypee / Strain well / Superflo/ Kartar
9	Hydrant Valve	Winco / SBJ - AAAG / Newage / Kartar
10	Branch pipe & Coupling	Winco / SBJ - AAAG / Newage / Kartat
11	Hose Pipe	Winco / CRC/ Newage /AAAG/ Kartar
12	Hose reel	Winco / SBJ - AAAG / Newage/ Kartar
13	Air Release Valve	Winco / SBJ - AAAG / Newage / Sant / Kartar
14	Hose Box	Winco / SBJ - AAAG / Newage / Kartar
15	Fire bridged inlet connection	Winco / SBJ- AAAG / Newage / Kartar
16	Fire Extinguishers	Kanex / Safex / Ceasefire / Safeguard/ Safepro
17	Pressure gauge	H. Guru / Fibig / WIKA
18	Pressure switch	Indfoss / Switzer / VermaTrafag / WIKA
19	Power and Control cable	Finolex /Polycab
20	Coating wrapping material for Underground pipe	IWL / Rushtech
21	Sprinklers	Spray safe / HD / Safex / Newage / UL listed
22	Flow Switch	HD/ Honeywell / A-Bill
23	Installation Control Valve	HD/Tyco/Newage/Viking
24	Flexible Hose for sprinkler	Newage/ Tyco/ HD/ Flexdrop
25	Water Curtain Nozzle	HD/Newage
26	Welding Rod	ESAB/ADOR
27	Standard M.S. Fittings	Seamless Fittings, Pipeline products
28	DI / CI / Forged Steel Fittings	Jainsons Industries,VS,SS fittings,BM fittings
29	Paints	Asian Paints,Berger,ICI,Shalimar Paints
30	Pipe Protection Wrapping	IWL – Pypkote, Rustech - Coatek
31	Pipe clamp & supports	Chilly, Euroclamp, Kanwal
32	Anti Vibration Mounting & Flexible Connections	Cori,Dunlop,Flexionics,Kanwal Industrial Corporation, Resistoflex
33	Fastener	Fisher, Hilti
FIRE ALARM SYSTEM		
34	System integrator	Authorized OEM vendor from Honeywell/Siemens/Tyco
35	Armoured FRLS copper cable for fire alarm system	Polycab/Finolex/RR cable
36	Addressable type smoke detector	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
37	Addressable type multi detector	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
38	Addressable type manual call point	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
39	Addressable type sounder with strobe	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
40	Addressable type isolator module/ control module/ monitor module	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
41	Addressable type fire alarm control panel	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
42	Response indicator	Agni/Ravel
43	Addressable type call point	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
44	Addressable type fault isolator module	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
45	Application software – fire alarm system	Honeywell-Notifier/Siemens-cerberus/Tycosimplex
46	Analoge Addressable/ Conventional Fire Alarm System	AGNI/RAVEL/ASES
PUBLIC ADDRESS SYSTEM		
47	PVC conduit & accessories	Precision/Balco /avonplast/AKG
48	System integrator	Authorized OEM vendor from Bosch/ATEIS/ Honeywell
49	Ceiling/wall speakers	Bosch/ATEIS/ Honeywell/ASES
50	Amplifier	Bosch/ATEIS/ Honeywell/Ahuja
51	Call station/voice alarm router/voice alarm keypad/voice alarm controller	Bosch/ATEIS/ Honeywell/ASES
52	Gooseneck microphone	Bosch/ATEIS/ Honeywell/ASES
53	FRLS shielded speaker cable	Polycab/Finolex/Havells/RR cable
54	Rack	Rittal/Netrack/Schneider/D link
55	Addressable Talk Back Speaker	AGNI/RAVEL/ASES
56	PA cum Talk Back System	AGNI/RAVEL/ASES