



DEENDAYAL PORT AUTHORITY

(Erstwhile Deendayal/Kandla Port Trust) Ministry of Ports, Shipping & Waterways, Govt. of India
Mechanical Engineering Department



Office of the Executive Engineer (Electrical), Ground Floor, Nirman Building, New Kandla, Kutch, Gujarat,
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No.: EL/AC/EOI-2903

Date: 19/01/2026

EXPRESSION OF INTEREST [EOI]

(This EOI is issued to elicit Expression of Interest from the parties interested in the work and does not constitute any binding commitment from the Deendayal Port Authority to proceed with the work or invite any or all the parties in the subsequent bidding process. (The Open Tenders will be issued subsequently.)

Executive Engineer (Electrical), DPA invites Expression of Interest for the work of "Construction Shed at ground floor & first floor at Missionaries of Charity, Mother Teresa's distitutdis home, bhachau- **Electrification thereof under CSR**" from the reputed firms from those who have executed similar work in Government / Public Sector and other leading private organizations. The Expression of Interest (EOI) documents containing details of Scope of Work and Technical Specifications are enclosed herewith.

The interested firms are requested to submit their Expression of Interest (EOI) for the said work in BOQ format as enclosed, The EOI shall be submitted to the office of the undersigned on or before 27/01/2026. A soft copy of EOI is also acceptable through e-mail Id: deepak.hazra@deendayalport.gov.in & anil.rautiya@deendayalport.gov.in

Sd/-
Executive Engineer (E)
Deendayal Port Authority

SCOPE OF WORK

The Specification is to cover the Extension of Shed at Ground Floor & First Floor at Missionaries of Charity, Mother Teresa's distitutdis home at bhachau-Electrical Part. The works will be carried out simultaneously with Civil work, which includes electrical part i.e. Supply, Installation and Commissioning of 6-Way TPN distribution board, Ceiling Fans, LED Lights fittings/ Flood Light Fitting/ Internal /surface pipe conduit wiring, the work shall be executed as per IER & to the satisfaction of the Engineer-in Charge. For installation of equipment, the contractor shall arrange all types of tool & tackles. The contractor shall prepare the proposed wiring diagram/layout for newly constructed Shed at Ground Floor & First Floor of work & it shall be submit to EIC. However, after successfully completion of whole work, final layout/wiring drawing same shall be handed over in two sets details in auto cad wiring format & also submit the relevant test certificate/reports of the material used to EIC.

TECHNICAL SPECIFICATION

Technical Specification No. 01:

This includes supply at site 1.1 KV grade, following size aluminium conductor, XLPE insulated armoured cable confirming to IS:7098 (Part-I) 1985 with up to date amendments and of approved make with ISI mark. The cable shall have marking/embossing at the interval of every meter showing its progressive length. The contractor shall produce the routine test certificate during supply of cable at site. The rate shall inclusive of all taxes, duties, packing, forwarding, insurance, transportation and unloading at site of work etc.

- a. 4 CX 10 sq.mm.
- b. 3 C X 4 Sq.mm.

Technical Specification No. 02:

This includes laying & end termination of 1.1 KV XLPE armoured aluminum conductor LT through various route;

- a. **Through soil, Paver block excavation in DWC Pipe:** - This includes laying of single length cable of size up to 04 Core, 10 Sq.mm LT armored aluminum Conductor XLPE Cable of 1.1KV Grade through excavation in any soil/paver Block. The trench to be excavated 300mm wide, 600mm deep. The river sand shall be provided in the bottom of the excavated trench, over the sand cushion DWC pipe shall be laid, cable shall be passes through DWC pipe. However, Joint to DWC pipe, coupler & socket will be provided & fixing by Contractor. The filling of the trench shall be done with the excavated stuff & should be watered and rammed properly to its original position. The excess excavated stuff shall be disposed off from the Site of work. The work includes complete labour and materials and to entire satisfaction of Engineer-in- charge.
- b. **Laying the cable through Saddle clamp on wall/ truss purlin of shed:** - This item includes laying of 1.1 KV grade, 3 core, 4 Sq.mm Al conductor XLPE insulated armored cable on Wall/Column/Steel Structure. The G.I. Saddle clamps shall be provided of minimum size 20mm×1mm (size suitable with respect to cable outer diameter) with suitable size of heavy duty screws for clamping as directed. The cable shall be laid on the Structure with clamps at the height as directed by Engineer in-Charge. The clamp shall be fixed rigidly on the Structure at every 0.3m intervals. The work includes all material, labour, scaffolding, tools & tackles as directed by Engineer in-Charge.

Technical Specification No. 03:

The item includes providing & fixing surface wiring for single phase sub-circuit from the existing main switch /meter /DBs / MCBs to the switchboard with FRLS, 1100 Voltage grade, single core stranded copper conductor wire with IS: 694/1990 of size 2.5 sq. mm. for phase & neutral wire and 1.5 Sq.mm continuous stranded copper conductor wire for earth to be laid through PVC heavy duty flat casing Capping Strip shall be fixed rigidly on Truss / Purlin with suitable size heavy duty PVC saddle set with base, clamp & screw at the interval of 0.5 meter other accessories such as Tee, junction box, inspection bends, elbow etc. of approved make as directed by Engineer-in-Charge. Complete work consists of necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-charge.

Technical Specification No. 04:

The item includes providing & fixing surface wiring for light point from switchboard with FRLS, 1100 Voltage grade, single core stranded copper conductor wire with IS: 694/1990 of size 1.5 Sq. mm for phase & neutral wire and 1.0 Sq.mm continuous stranded copper conductor wire for earth to be laid through PVC Round Pipe with IS: 9537 (Part-III) of size 20 mm Diameter of Medium Mechanical Strength (MMS) type/20mm oval shape PVC conduit pipe of 20mm and other accessories such as Tee, junction box, inspection bends, elbow etc. of approved make as directed by Engineer in-Charge. The PVC round/oval conduit shall be fixed rigidly in the Shed Structure with suitable size heavy duty PVC saddle set with base, clamp & screw at the interval of 0.5 meter. The work consists providing & fixing of Push/Flush type SP switch 6A x 250V modular with ISI mark (as per approved make list) and to meet specifications of IS: 3854 & 3 plate Ceiling Rose made from polycarbonate on suitable size of PVC box with cover. The PVC box shall be rigidly fixed with cemented wooden gutties on the Wall/Shed Structure as directed and the switches shall be fixed on cover of the box. The complete work consists necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-Charge.

Technical Specification No. 05:

The item includes providing & fixing Fan Point from switchboard with FRLS, 1100 Voltage grade, single core stranded copper conductor wire with IS: 694/1990 of size 1.5 sq. mm for phase & neutral wire and 1.0 Sq.mm continuous stranded copper conductor wire for earth to be laid through PVC Round Pipe with IS: 9537 (Part-III) of size 20 mm Diameter of Medium Mechanical Strength (MMS) type/20mm oval shape PVC conduit pipe and other accessories such as Tee, junction box, inspection bends, elbow etc. of approved make as directed by Engineer-in-Charge. The PVC round/oval conduit shall be fixed rigidly on the Shed Structure with suitable size heavy duty PVC saddle set with base, clamp & screw at the interval of 0.5 meter. The work consists providing & fixing of Flush type SP switch 6A x 250V modular with ISI mark (as per approved make list) and to meet specifications of IS: 3854, Step cut electronic fan regulator with rotary steps & 3 plate Ceiling Rose made from polycarbonate on suitable size of PVC box with cover. The PVC box shall be rigidly fixed with cemented wooden gutties on the Wall/Shed Structure as directed and the switches shall be fixed on cover of the box. The complete work consists necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-charge.

Technical Specification No. 06:

The item includes providing & fixing surface wiring for Power point. The item includes with Flame Retardant, 1100 Voltage grade, single core stranded copper conductor wire with IS: 694/1990 of size 4.0 sq. mm. for phase & neutral wire and 2.5 Sq.mm continuous stranded copper conductor wire for earth to be laid in The PVC heavy duty flat Casing Capping Strip shall be fixed rigidly on wall/ceiling with suitable size heavy duty PVC saddle set with base, clamp & screw at the interval of 0.5 meter other accessories such as Tee, junction box, inspection bends, elbow etc. of approved make. The proper size of grew shall be prepared by

contractor on wall. The work consists providing & fixing of PVC heavy duty Casing Capping Strip of Medium Mechanical Strength (MMS) in prepared grew the work consists providing & fixing of 1 Nos. 5 in 1 combined unit suitable for 5/16A x 250Volts with switch, socket, fuse & indicator with ISI mark. The PVC box of suitable size shall be embedded properly in the wall and the combined unit shall be fixed on embedded PVC box. The complete work consists necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-charge.

Technical Specification No. 07:

6 Way TPN Horizontal Double Door Distribution Board.

This includes supply of 6-way Double Door TPN DB as per following specification & make.

Protection device type: Main Incomer: Miniature circuit breaker (MCB) - 4P, Nos-01, 63Amp.

Residual Current Circuit Breaker (RCCB) - 4P, Nos-01, 40Amp.

Outgoing: Miniature circuit breaker (MCB) - 2P, Nos-06, 10Amp.

Outgoing: Miniature circuit breaker (MCB) - 2P, Nos-02, 32Amp.

Enclosure/Cubicle description: Double door enclosure

Enclosure material: CRCA

Colour: White (RAL 9003)

Environment

- IP degree of protection IP43

- IK degree of protection IK09

Standards IS 8623-1 IS 8623-3 IEC 61439-3

Product certifications: NABL

The DB shall be fitted with Busbar, DIN Rail and neutral link. The rates shall be excluding the cost of MCB as directed by Engineer-in-Charge.

The work including installation, testing & commissioning above DB on wall by suitable hardware & fasteners and adopted method as per IE rule or as directed by EIC. The works also including with complete necessary wiring, Earthing, linking etc.

Technical Specification No. 08:

This includes supply at site of DIN Rail mounted rating MCBs, with 10kA Breaking Capacity. The terminals of MCB shall be serrated type. The rates shall be excluded GST, but inclusive are incidental charges, Transportation charges, insurance freight charges etc.

- a)** 63 Amps. 4 Pole (FP) MCB, B curve. Nos.-01
- b)** 40 Amps, 4 Pole (FP) RCCB, B curve, Nos-01
- c)** 10 Amps. 2 Pole (DP) MCB, C curve. Nos.-06
- d)** 32 Amps. 2 Pole (DP) MCB, C curve.Nos.-02

Network frequency: 50 Hz

Rated operational voltage: 380...415 V AC, 50 Hz

Residual current tripping technology: Voltage independent

Rated conditional short-circuit current: 10 kA

Control type: Toggle

Mounting mode: Clip-on

Mounting support: DIN Rail

Standards: EN/IEC 61008-1

Product certifications: ISI SNI

IP degree of protection: IP20 conforming to IEC 60529.

Technical Specification No. 09:

This includes fixing & commissioning of various rating MCB in above supplied double door DB on wall / shed structure. The MCB shall be fixed on DIN Rail provided in existing DB. This includes necessary 3Phase / 1Phase wiring, connections, distribution & earth linking of DB with all material, labour tools & tackles as directed by Engineer-In-charge.

Technical Specification No. 10:

Supply at site energy efficient 4ft, 40Watt LED Tube white Light surface mounted & fixture, having lumen/watt is 100-150 lm/W. As per the approved, make list.

The following technical specification.

- 1) Lumen: up to >5,000+ lm
- 2) System Power: 40 Watt
- 3) CCT: 6500 K
- 4) CRI >80
- 5) Efficacy of >100+ lm/w
- 6) Surge Protection: 2.5 kV
- 7) Input Voltage Range: 130-270 V AC
- 8) Beam Angle >120°
- 9) Optical Cover/Lens Type: Polycarbonate (PC) Plastic
- 10) Driver: Yes, Included
- 11) Power Factor (Min): 0.95
- 12) Ingress Protection Code: IP 66
- 13) Warrantee: 1 Year

The rate shall be inclusive of all taxes (excluding GST), insurance, transportation, unloading at site as directed by Engineer in-Charge.

Technical Specification No. 11:

This includes fixing & commissioning of supplied 4ft, 40Watt LED Tube white Light fixture on shed in First Floor & Ground Floor shed at suitable height. The fitting shall be fixed rigidly nearby fitting through suitable size of screws/nut bolts/anchor fasteners and connections with flexible copper cable from nearest source of power & necessary connections & earth lining with all material and labour and as directed by Engineer-In-charge.

Technical Specification No. 12:

This item includes supply at site 1200 mm sweep Ceiling Fan fitted with heavy duty grease filled double ball bearing that ensures noiseless performance and long lasting smoother life of fan suitable for single phase 230 Volts A.C., 50Hz. The fan should be 5 star ISI mark. The Fan blades shall be aerodynamically balanced to ensure maximum air delivery at lower power consumption & the blades shall be made of 'heavy gauge' aluminum sheet so as to retain the blade's angel over a longer period. The Fan motor shall be made of superior grade copper wire and impregnated in special varnish for long life operation. The motor shall be totally enclosed and low-loss-silicon steel stampings ensure minimum power consumption with high optimum output. The Fan shall be coated with a special anticorrosive enamel paint

that makes them rust free and ensures a classic appearance and longer life. The supplied fan shall confirm to IS specifications. The fan shall be supplied along with all accessories such as down rod 600 mm length, PVC Bobbin, Stainless Steel Nut Bolt with cotter pin, capacitor etc. of approved make and as per IS specification as directed by Engineer in Charge. The rates shall be inclusive of all the taxes (excluding GST), insurance, transportation, unloading at site as directed by Engineer in-Charge.

Technical Specification No. 13:

This includes fixing & commissioning of supplied ceiling fan with all accessories in Truss/purling of shed (by providing & fixing suitable hook clamp & fasteners) including necessary wiring and connection from nearest point / Ceiling rose through PVC flexible copper conductor wire and earth linking etc. The rotary step cut electronic regulator shall be fixed and screwed rigidly on switchboard including wiring and connection etc. with all material and labour as directed by Engineer-in-charge.

Technical Specification No. 14

Supply at site energy efficient 90 Watt LED Flood light for surface Mounted & fixture, having lumen/watt is 11,000. As per the approved, make list.

1. Input Power $90 \pm 5\%$ Watt
2. Input voltage AC 120-270 V AC
3. Input Frequency $50 \text{ Hz} \pm 1 \text{ Hz}$
4. Mounting type Suitable for wall mounting with bracket
5. Total Harmonic Distortion $<10\%$ maximum
6. Working Temperature 0°C to $+45^\circ\text{C}$
7. Working Humidity 10% to 90% RH
8. Temperature 5700K
9. Colour rendering index >70
10. Efficacy $\geq 120 \text{ Lumen/Watt}$
11. Finishing Corrosion resistant powder coating
12. Power factor: 0.95
13. Warranty 2 Years.
14. Ingress Protection Level of LED: IP 65
15. Certificate/Report: Type test reports for LED fitting & LED Driver.
16. Impact Resistance IK 08

The rate shall be inclusive of all taxes (excluding GST), insurance, transportation, unloading at site as directed by Engineer in-Charge.

Technical Specification No. 15

This scope of works includes, Providing & fixing Prewired FRP Junction Box with suitable connector along with required length 3 core x 2.5 Sq.mm. copper cable from the JB source to 90Watt LED flood light fitting for shed structure Mounted & fixture (by providing & fixing suitable bracket & fasteners) on Extended New devolved shed in First Floor & Ground Floor shed at suitable height as per location direction by EIC. The scope includes necessary connections & earth linking with all material and labour and as directed by Engineer-In-Charge.

Technical Specification No. 16:

This item includes preparation of maintenance free earth station by providing 50mm diameter, 3 meter, 25-micron hot dipped GI chemical electrode with back fill compound including accessories & masonry work. A cement concrete (ratio 1:4:8) chamber of at least

500 mm × 500 mm × 500mm × 50mm (thickness of wall) shall be prepared and a cover of suitable size shall be provided for the chamber. The work shall be carried out to entire satisfaction of Engineer in-Charge.

Technical Specification No. 17:

The works include providing & fixing the 8 SWG GI wire, from earth station to equipment / Main DB or as per site requirement by providing & fixing suitable Dia. Medium duty PVC conduit pipe in concealed/surface manner. The complete work consists necessary wiring connections and earth linking at both the ends with all materials and labour as directed by Engineer-in-charge.

**Seal & Sign of
Contractor**

Sd/-
Executive Engineer (E)
Deendayal Port Authority

Schedule-B

Name of Work: Construction Shed at Ground Floor & First Floor at Missionaries of Charity, Mother Teresa's distitidis home at bhachau- Electrification thereof under CSR.

Sr. No.	Description	Qty.	Unit	Rate	Amount
1	Supply at site various rating LT armoured aluminium conductor XLPE cable of 1.1 KV grade of following type & size as per Technical Specification No.01				
a)	4Core, 10 Sq.mm.	250	Mtr.		
b)	3Core , 4 Sq.mm	100	Mtr.		
2	Laying of various LT XLPE cable size up to 10 sq.mm through various route as per technical specification No. 02				
a)	Through Hard & Soft soil, Paver block excavation in DWC Pipe.	250	Mtr.		
b)	Laying the cable through saddle clamp on wall/ truss/purlin.	100	Mtr.		
3	Providing & fixing of Surface wiring for single phase sub-circuit from the main switch /meter/DBs /MCBs to the switch board with 2 x 2.5 Sq.mm. copper conductor to be used as phase, neutral and continues stranded green wire for system earthing as per Technical Specification No. 03	85	Mtr.		
4	Providing and Fixing Surface wiring for light/tube point with PVC insulated single core standard 1.5 Sq.mm. copper conductor wire with (Phase, neutral) and separate wire for earth as per Technical Specification No. 04	50	Nos.		
5	Providing and Fixing surface wiring for Fan point with PVC insulated single core standard 1.5 Sq.mm. copper conductor (Phase, neutral) and separate wire for earth wire & twin module step cut electronic fan regulator as case may be as per Technical Specification No.05	50	Nos.		

6	Providing and fixing Pipe Conduit wiring 5/16 A x 250V, 6 Modules Power point plug and socket as per Technical Specification No.06	5	Nos.		
7	Supply, Installation, Testing & Commissioning of following type distribution board along complete with as per Technical Specification No. 07 6 Way TPN Horizontal Double Door Distribution Board.	1	Nos.		
8	Supply of following type MCB Din Rail mounted on supplied 6 Way TPN , as per Technical Specification No. 08				
a)	63 Amp. FP MCB, B curve.	1	No.		
b)	40 Amp, FP RCCB, B curve.	1	No.		
c)	10 Amp. DP MCB, C curve.	6	No.		
d)	32 Amp. DP MCB, C Curve.	2	No.		
9	Installation, Testing & Commissioning of supplied MCB , in 6 Way TPN , as per Technical Specification No. 09	10	No.		
10	Supply of 4ft, LED Tube white Light Fixture of 40 Watt with complete accessories as per Technical Specification No.10	50	Nos.		
11	Fixing of 4ft, LED Tube white Light Fixture of 40 Watt with complete accessories as per Technical Specification No. 11	50	Nos.		
12	Supply of 1200 mm sweep ceiling fan with all accessories as per Tech Spec. No. 12	50	Nos.		
13	Fixing of 1200 mm sweep ceiling fan with all accessories as per Tech Spec. No. 13	50	Nos.		
14	Supply of 90 Watt LED Flood light for surface Mounted as per technical specification No. 14	20	No.		
15	Fixing of 90 Watt LED Flood light for surface Mounted as per technical specification No.15	20	No.		
16	Preparation Earthing station, chemical treated back filled compound earthing	02			

	system 25 mm Dia. GI electrode , 3m Depth, Maintenance free as per Technical Specification No. 16		Nos.		
17	Providing & connecting 8 SWG GI earthing wire for earth station to equipment as per Technical specification No. 17	50	Mtr		
Total Amount in INR					only)
(In Words Rupees)					
(NOTE: The rates should be inclusive of all taxes, duties, fees, cess etc. and all incidental charges; but exclusive of GST).					

**Seal & Sign of
Contractor**

Sd/-
Executive Engineer (E)
Deendayal Port Authority

Approved Make List for Electrical Items

Sr. No.	Description	Recommended Makes
1	HT VCB	SIEMENS / CROMPTON GREAVES/ABB/Schneider
1(a)	HV Gas Insulated Breakers	SIEMENS /Schneider/ABB
2	POWER TRANSFORMERS	VOLTAMP/CROMPTON GREAVES /BHARAT BIJLEE/ BHEL/ SIEMENS/ ABB/ Schneider/T&R
3	DISTRIBUTION TRANSFORMERS	EMCO/KIRLOSKAR/PATSON/VOLTAMP/ ABB / Schneider / T&R
4	RESIN CAST TRANSFORMERS	
	A) RESIN CAST IMPREGNATED	VOLTAMP / KIRLOSKAR / EMCO
	B) DRY CAST	VOLTAMP/KIRLOSKAR/EMCO
5	HT XLPE CABLES	POLY CAB/TORRENT/RPG ASIAN/ /GLOSTER/ UNISTAR/ UNISTAR/KEI/FINOLEX/HAVELS
6	LT XLPE CABLES	POLY CAB/TORRENT/RPG ASIAN/ / RALLISON/PRIME CAB/ HAVELLS/ UNISTAR/AVOCAB / ADCAB
7	LT ACB	SIEMENS/L&T/SCHNEIDER/C&S
8	PROTECTION RELAYS	AREVA/L&T/SIEMENS/ABB/C&S
9	LT PANEL	CPRI APPROVED
10	CHANGE OVER SWITCH	SIEMENS/L&T/ABB/C&S/SCHNIDER/ LEGRAND / INDOASIAN
11	SFU FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/L&T/ABB/C&S
12	SFU FOR DISTRIBUTION PANELS & FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNEIDER/ LEGRAND/ INDOASIAN/HAVELLS
13	MCCB FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/L&T/ABB
14	MCCB FOR DISTRIBUTION PANELS AND FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNIDER/ LEGRAND/ INDOASIAN/HAVELLS
15	MCB/ELCB/RCCB/ RCCBO FOR MAIN LT DISTRIBUTION PANELS	SIEMENS/HAGER L&T/ABB
16	MCB FOR DISTRIBUTION PANELS AND FEEDER PILLERS	SIEMENS/L&T/ABB/C&S/ SCHNEIDER/ LEGRAND/ INDOASIAN/ HAVELLS/ STANDARD

17	MCB DISTRIBUTION BOARD	STANDARD / HENSEL/LEGRAND / INDOASIAN / HAVELLS
18	MULTI FUNCTION DIGITAL METER FOR MAIN LT DISTRIBUTION PANELS/DIGITAL KWH METERS	L&T/ENERCON/SECURE/L&G/ RISHABH
19	ANALOG VOLT/AMPARE METER FOR DISTRIBUTION PANELS AND FEEDER PILLERS	RISHABH/AE/ENERCON/L&T
20	SLECTOR SWITCH FOR VOLTMETER/AMPARE METER	L&T/SIEMENS/C&S
21	POWER CONTACTOR & OVER LOAD RELAYS	L&T/SIEMENS/ABB
22	QUARTZ TIME CLOCK SWITCH	L&T/INDOASIAN/SIEMENS
23	PVC WIRE WITH COPPER CONDUCTOR	RR KABEL / KEI / POLYCAP/MILEX/GUJCAB/ STANDARD / FINOLEX / ANCHOR
24	FLUSH TYPE SWITCHES, SOCKETS, HOLDERS AND CEILING ROSES & ELECTRONIC REGULATORS	ANCHOR/MK/NORTHWEST/VINAY /PANAMA / HAVELLS
25	DOOR BELLS/CALL BELLS	ANCHOR/LEGEND/MK/NORTHWEST
26	MODULAR SWITCHES, SOCKETS, PLATES & BOXES	ANCHOR / MK / NORTHWEST / LEGRAND /HAVELLS / INDOASIAN / SIMENS.
27	PVC CONDUIT/OVAL CONDUIT & CASSING CAPPING AND ACCESSORIES	PRECISION/VULCAN/FINOLEX/ GARWARE/ RESTOPLAST/ SWASTIK / BPI
28	GLS LAMPS & FLUORESCENT LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
29	HPSV, HPMV & METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
30	IGNITORS FOR HPSV, METAL HELIDE LAMPS	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE
31	LUMINARIES	PHILIPS / BAJAJ / WIPRO / CROMPTON GREAVES / OSRAM / SURYA ROSHNI / GE/C&S/NERI

31a	LED LUMINARIES	Philips /Bajaj/Wipro/CG/Surya/Pyrotech/Syska/Nessa/C&S having surge Protection \geq 10KV for fittings & internal Surge Protection for Driver of \geq 4KV, LED Chip only OSRAM/CREE/Philips Lumileds/Citizen/ with LM-79,80 CERTIFICATION/NERI
32	CEILING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
33	WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
34	EXHAUST FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC
35	HEAVY DUTY INDUSTRIAL WALL MOUNTING FANS	BAJAJ/ORIENT/USHA/CROMPTON GREAVES / ALMONARD/GEC or its equivalent
36	WATER COOLER	VOLTAS/SHIRIRAM USHA/BLUE STAR
37	AIR CONDITIONERS	VOLTAS/CARRIER/BLUESTAR/USHA/ HITACHI/LG/ SAMSUNG/ONIDA
38	REFRIGERATORS	VOLTAS / CARRIER / BLUESTAR / USHA / HITACHI / LG / SAMSUNG / WHIRLPOOL
39	VOLTAGE STABILIZER	VEELINE / CAPRI
40	INVERTERS	SUKAM / MICROTEK
41	D.G. SETS	
A)	ENGINE	CUMMINS/GREAVES/KIRLOSKAR/ CATERPILLAR /ASHOK LEYLAND /VOLVO
	ALTERNATOR	STAMFORD/CROMPTON GREAVES /JYOTI/ KIRLOSKAR ELECTRIC
42	ELECTRIC MOTOR	ALSTOM/CROMPTON GREAVES /SIEMENS/ KIRLOSKAR/ABB
43	WATER PUMPS	SWASTIK / KSB
44	WATER GEYSER	BAJAJ/USHA / CROMPTON GREAVES / SPHEREHOT / RACOLD
45	LUGS & CABLE GLANDS	DOWELLS / JAINSON / BRACO

Note:

Before procurement of supply item / Material , the Make of the material should be approved by EIC in writing.

SPECIAL CONDITION FOR ELECTRICAL PART

1. Valid Electrical Contractor License:

The Contractor shall have valid Electrical Contractor's license for carrying out Electrical work of the nature involved in this tender obtained from Chief Electrical Inspector, Government of Gujarat. The Contractor shall submit certificate and copy of the license in lieu of the same for consideration.

2. Approval by the Engineer-in-Charge or his nominee:

The Contractor shall submit the makes of material, equipment, specifications and drawings for proposed Work to the Engineer-in-Charge or his nominee, who is to approve them subject to compliance with the Technical specifications and drawings. The Engineer-in-Charge or his nominee's approval shall not alter the Contractor's responsibility for the work. All drawings prepared by the contractor for the work if any, are subject to prior approval by the Engineer in Charge or his nominee before procurement/execution.

3. The guarantee period shall be for a period of one year from the date of handing over of entire electrical work, however for LED Light fittings warranty shall be inforce for a period of two years from the date of handover the project.

4. Payment Terms:

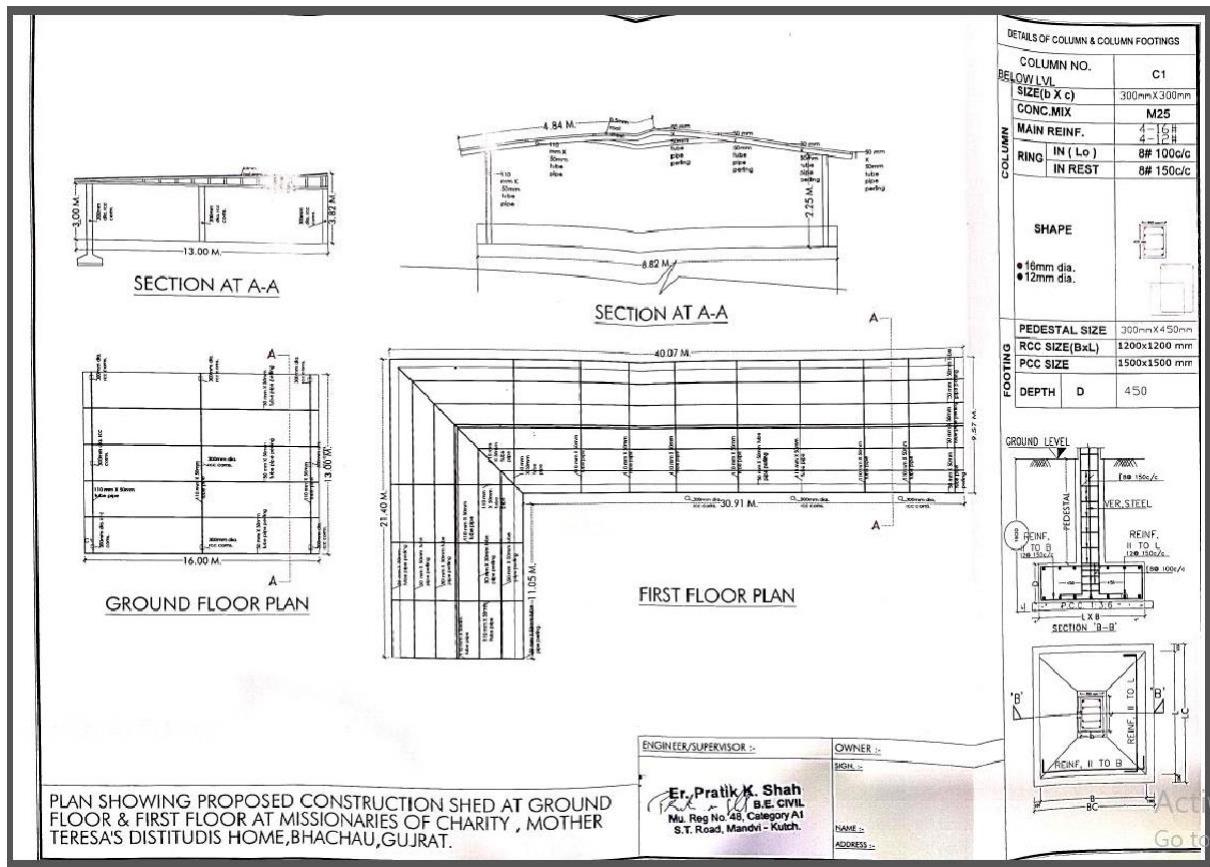
All payments shall be made in Indian rupees unless specifically mentioned.

- (1) Payment of 70% of item rate (subject to deductions as per tender conditions) will be released after receipt of material at site in good condition, after obtaining insurance cover as per tender condition (If TPI appointed then after inspection & certification of the same by Third Party Inspection Agency) and after inspection & acceptance of material by DPA.
- (2) Payment of 20% of item rate (subject to deductions as per tender conditions) after completion of erection, installation, testing and commissioning etc. and 90% of item rate for item covers only laying/fixing/removal etc. (If TPI appointed then after inspection & certification of the same by Third Party Inspection Agency).
- (3) Payment of 10% of item rate (subject to deductions as per tender conditions) will be released after successful completion of whole work (If TPI appointed then after inspection & certification of the same by Third Party Inspection Agency) and handing over to DPA.

Sd/-

**Executive Engineer (E)
Deendayal Port Authority**

DRAWING



Sd/-

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Deendayal Port Authority