



TENDER NOTIFICATION

The Head, CLPC, Sri Adichunchanagiri Shikshana Trust invites closed tenders from eligible tenderers or bonafide licensed manufacturer (OEM) or their authorized local supplier/ dealer/ distributor in the state of Karnataka for the **Supply and Installation of Electrical works for Boys Hostel, Parking area at BGSMCH Nagarur**. As per section I & II.

1	Name of the work	Supply and Installation of Electrical works for Boys Hostel, Parking area at BGSMCH Nagarur.
2	Last Date for Tender Submission	On or before 01.09.2026 before 5.30 PM

Section-1

Instructions to Tenderers

- 1) The Tenderer shall submit the bids (Technical & Financial bids) through the mail id: clethead@bgscet.ac.in on or before the last date of tender submission (for any or all list of items) on professional business letterheads only. The details to be printed on the letter head is as follows.

Tender for **Supply and Installation of Electrical works for Boys Hostel, Parking area at BGSMCH Nagarur**.

Tender Reference number:

Address to "The HEAD, CLPC, Sri Adichunchanagiri Shikshana Trust, BGSCET Campus, Mahalakshmpuram, Bengaluru – 560086"

- i) The tenderer shall submit the original documents to this office on the last day of submission for verification who prefers to submit the tender through Post can dispatch the same through Registered post / Speed post or Couriers as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, Head of CLPC will not be liable or responsible for the same.
- 2) **Tender Currency:** Prices shall be quoted in Indian Rupees only.
- 3) **AMC/CMC (IF ANY)** is subject to the Sri Adichunchanagiri shikshana trust's norms.
- 4) **Warranty:** 3 Years.



- 5) **Amendment of tender documents:** At any time prior to the deadline of submission of tenders the trust may, for no reason, whether as its own initiative or otherwise modify the tender documents by amendment. Sri Adichunchanagiri Shikshana Trust reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- 6) **Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 years of ITR declaration inside the envelope and the company contact details with email id on the in the below mention format in annexure - 1.
- 7) **Tender Prices:** Prices indicated on the price schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and the other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if the contract is awarded. Conditional tenders will not be considered. The bidder has to give the quotation in the below enclosed format in annexure – 2.
- 8) **Validity of the Bid:** 90 days from the last date of submission of bid.
- 9) **Corrupt or Fraudulent practices:** Sri Adichunchanagiri Shikshana Trust requires that the tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In purchase of this policy:
 - a) Will reject a proposal for award if it determines the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - b) Will declare a firm ineligible, either indefinitely or for the stated period of time, to be awarded a university contract if it any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a trust contract.
- 10) **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of tenders and recommendations for the award of contract will not be disclosed to tenderers or any other persons not officially concerned with such process until the award to the successful tenderer has been announced. Any effort by a tenderer to influence the employer's processing of tenders or award decisions may result in rejection of his tender.
- 11) **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of tenders the employer may, at his discretion, ask and tenderer for clarification of his tender, including breakdowns of unit rates. The request for clarification and the response shall be writing or by cable, but no change in the price or substance of the tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the employers in the evaluation of the tenders.
- 12) **Delivery:** The successful BIDDER should commence the service as per the tender document/work or purchase order. For any queries or assistance, please write to clethead@bgscet.ac.in or telephone to +91- 8123707324.
- 13) **Penalty Clause:** Non-execution of supply order – for the reasons of failure to supply



partially or completely within the stipulated time or any event of breach of contract. In case at any following stages

- a) For the delayed supply (3 days of grace period) – 5% deduction
- b) Quantity issues – 5 % deduction
- c) Quality issues – 10% deduction.
- d)

Section-2

BGSMBH BOYS HOSTEL PARKING AREA, NAGRURU		
SUMMARY FOR INSTALLATION OF ELECTRICAL WORKS		
SL. NO.	DESCRIPTION	AMOUNT
1	DISTRIBUTION BOARDS	
2	CABLE TRAYS, TRUNKING AND PANS	
3	LT CABLES	
4	LIGHTNING PROTECTION	
5	EARTHING	
6	EARTH GRID CONDUCTOR	
7	LIGHTING FIXTURES & FANS	
8	DATA NETWORKING SYSTEM	
9	POINT WIRING	
10	FLOOR PANELS	
11	RISING MAIN	
	ELV SYSTEM	
1	FIRE ALARM SYSTEM	
2	PUBLIC ADDRESS SYSTEM	
3	CCTV WORK CABLING.	
AMOUNT EXCLUDING TAX		RS. -

BGS BOYS HOSTEL, NAGRURU
BILL OF QUANTITY FOR ELECTRICAL WORKS

SL. NO.	DESCRIPTION	UNIT	QTY.				SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING	TOTAL				
NOTE: VENDOR IS REQUESTED TO INSPECT THE SITE BEFORE QUOTING. THE VENDOR SHALL RAISE RFI IN CASE OF ANY QUERIES BEFORE QUOTING. THE VENDOR SHALL INFORM THE CLIENT/ CONSULTANTS DURING TENDERING PROCES FOR ANY DEVIATION IN BOQ SPECIFICATION, MAKE, NON AVAILABILITY OF BOQ SPECIFIED MATERIALS ON TIMES. THE VENDOR SHALL SUBMIT ALL THE TECHNICAL DATA SHEET, SELECTION SHEET AND GET THE APPROVAL BEFORE PLACING THE ORDER.										
1.0	DISTRIBUTION BOARDS									
	Supplying and fixing of following ways surface/ recess mounting, vertical type, 230/415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs as required.									
1.1	Lighting/Power Distribution Board									
a	4 Way TPN MCB DB Incomer 63/40A TPN MCB "C" Curve, 10 K A 40A DP ELCB of 30mA - 3 Nos Outgoing Each Phase Consisting of the following: - 10-32A SP MCB "C" Curve - 12 Nos.	Nos.	11.00		3.00	14.00				
						-				
						-				
						-				
						-				
						-				
						-				
b	6 Way TPN MCB DB Incomer 63/40A TPN MCB "C" Curve, 10 K A 40A DP ELCB of 30mA - 3 Nos Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 18 Nos.	Nos.	15.00		4.00	19.00				
						-				
						-				
						-				
						-				
						-				
						-				
c	8 Way TPN MCB DB Incomer 63/40A TPN MCB "C" Curve, 10 K A 25A DP ELCB of 30mA - 3 Nos Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 24 Nos.	Nos.	10.00		3.00	13.00				
						-				
						-				
						-				
						-				
						-				
d	12 Way TPN MCB DB Incomer 63/40A TPN MCB "C" Curve, 10 K A 25A DP ELCB of 30mA - 3 Nos Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 36 Nos.	Nos.	14.00			14.00				
						-				
						-				
						-				
						-				
						-				
e	16 Way VPN MCB DB Incomer 63A TPN MCB "C" Curve, 10 K A with Timer Outgoing Each Phase Consisting of the following: - 10-40A SP MCB "C" Curve - 48 Nos.	Nos.	22.00			22.00				
						-				
						-				
						-				
						-				
						-				
f	04 Way SPN MCB DB Incomer 40A SPN MCB "C" Curve, 10 Ka Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 04 Nos.	Nos.	36.00		2.00	38.00				
						-				
						-				
						-				
						-				
						-				
g	06 Way SPN MCB DB Incomer 40A SPN MCB "C" Curve, 10 Ka Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 06 Nos.	Nos.	-		3.00	3.00				
						-				
						-				
						-				
						-				
						-				
h	08 Way SPN MCB DB Incomer 40A SPN MCB "C" Curve, 10 Ka Outgoing Each Phase Consisting of the following: - 10-25A SP MCB "C" Curve - 08 Nos.	Nos.	1.00		6.00	7.00				
						-				
						-				
						-				
						-				
1.2	SAFETY ITEMS									
a)	Laying 2.5 mm thick 1 Mtr x 2 Mtr black rubber mat. Mats shall be conformed to IS 15652 - 2006.	Nos.		20.00		20.00				
b)	Fixing 'Shock treatment chart' in English and Hindi mounted on 5mm thick plywood sheet and 3mm thick plain glass front.	Nos.		4.00		4.00				
c)	Fixing 200 x 150mm 11 KV 'Caution Board in English and Hindi'.	Nos.		10.00		10.00				
d)	Fixing 200 x 150mm 415 volts 'Caution Board in English and Hindi'.	Nos.		10.00		10.00				
						-				
	TOTAL TO SUMMARY					-				
						-				
2.0	CABLE TRAYS, TRUNKING AND PANS					-				

[Signature]

SL. NO.	DESCRIPTION	UNIT	QTY.			SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING				
2.1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit as required.								
a	2X2.5Sgmm + 1x2.5Sgmm CU. FLEX. WIRE	Mtrs.	21,500.00		3,456.00	24,956.00			
b	2X4Sgmm + 1x4Sgmm CU. FLEX. WIRE	Mtrs.	15,430.00		3,490.00	18,920.00			
c	4X10Sgmm + 2x6Sgmm CU. FLEX. WIRE	Mtrs.	200.00		200.00	400.00			
d	4X16Sgmm + 2x6Sgmm CU. FLEX. WIRE	Mtrs.	200.00		250.00	450.00			
2.2	Cable Trunking/ Cable Pan: Fabricating supplying to site & installation on ceiling/ surface 1.6 mm till 300 mm, 300 mm and above 2 mm thick. Hot dip Galvanised G.I. cable tray, cable trunking / pan of height 50 mm and 1.6 mm thick openable cover, totally enclosed to make it dust and water proof complete with all fixing accessories as required. These items shall be used for dropping Sub cables to fed DB's and also used as cabinet around the all DB's. All horizontal cable tray are without cover.								
	50 mm Height								
a	250 mm (wide) x 50 mm (height)	RM							
b	200 mm (wide) x 50 mm (height)	RM							
c	100 mm (wide) x 50 mm (height)	RM							
	75 mm Height								
a	300 mm (wide) x 75 mm (height)	RM							
b	200 mm (wide) x 75 mm (height)	RM							
c	150 mm (wide) x 75 mm (height)	RM							
2.3	Power/ Lighting Trunking: Fabricating supplying to site & installation on ceiling/ surface 1.6 mm thick Hot dip Galvanised G.I. cable tray, cable trunking of height 100, 50, 40 mm and 1.6 mm thick with and openable cover in tray form with gaskets on fixed part, totally enclosed to make it dust and water proof complete with all fixing accessories as required. These Trunking shall be used for carrying circuit wiring in processing area and at dock area side which runs vertically, horizontally and along the wall.								
a	250 mm (wide) x 100 mm (height)	RM							
b	200 mm (wide) x 50 mm (height)	RM							
c	100 mm (wide) x 100 mm (height)	RM							
d	60 mm (wide) x 40 mm (height)	RM							
2.4	For MV System (For Power Cables) Perforated Cable Tray: Design manufacture, supply and fixing in position the Hot dip Galvanised G.I. cable trays of the following sizes for supporting armoured/unarmoured aluminium /copper conductor cables. Fabricate the perforated type cable trays from MS Sheet 300mm wide and above shall be 2mm and below 300 mm wide shall be 1.6 mm thick. The steel should be as per IS:226 complete as required. (the horizontal and vertical bends, T's should be factory fabricated and the rate should include for the same)								
a	750mm x 75mm x 2mm	RM		100.00		100.00			
b	600mm x 50mm x 2mm	RM							
c	450mm x 50mm x 2mm	RM	50.00		450.00	500.00			
d	300mm x 50mm x 2mm	RM	50.00	50.00	500.00	600.00			
e	200mm x 50mm x 1.6mm	RM							
f	150mm x 50mm x 1.6mm	RM	100.00			100.00			
g	100mm x 50mm x 1.6mm	RM							
2.5	Supply and installation of ladder type cable trays of the following sizes fabricated out of GI sheets of minimum 2 mm thick with 75/40 mm flange to be installed horizontally or vertically. The cable tray shall be complete including cost of bends, elbows, cross, tees, reducers etc as per drawings/site condition and rate shall include cost or anchor fasteners, screws, nuts, bolts and misc. other fixing hardware, painting of support structure etc as required.								
	Ladder Type Cable tray								
a	1000 mm wide	Rm							
	Runners 20 x 75 x 20 x 2.5 mm								
	Rungs 20 x 30 x 20 x 2.5 mm 250 mm C/C								
b	750 mm wide	Rm							
	Runners 20 x 75 x 20 x 2.5 mm								
	Rungs 20 x 30 x 20 x 2.5 mm 250 mm C/C								
c	600 mm wide	Rm							
	Runners 20 x 75 x 20 x 2.5 mm								
	Rungs 20 x 30 x 20 x 2.5 mm 250 mm C/C								
2.6	Junction Boxes: Supply & Installation of 16 SWG M.S. Sheet fabricated Junction Boxes duly Painted with dry Powder coat (Shade: White) & having Screwed Tray type Covers.								
a	150 x 150 x 60 mm	10			Each				
b	200 x 200 x 60 mm	Each							
c	300 x 300 x 60 mm	12			Each				
d	300 x 300 x 100 mm	8			Each				
e	200 x 200 x 100 mm	Each							
	TOTAL TO SUMMARY								
3.0	LT CABLES								

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SL. NO.	DESCRIPTION	UNIT	QTY.				SUPPLY	INSATALLATION	SUPPLY	INSATALLATION
			HOSTEL	DB Area	PARKING	TOTAL	RATE	RATE	AMOUNT	AMOUNT
3.1	Supply and laying of Power Cable with aluminium conductor 1.1 kV grade, Stranded conductor, XLPE Insulated, FRLS cores laid up, PVC tape inner sheathed, galvanized steel strip armour, PVC Type ST2 sheathed as per IS 7098 (Part 1) 1988. The cables shall be laid in existing tray/built up trench/hume pipes etc., Rate shall exclude cost of tray / trench which is covered in separate line items. Rate to include provision of approved aluminium cable labels at both ends and route markers at 15mtr intervals. Each run of cable to be tested with 1KV meggar and results submitted to client. (Note:- Ref. Cable Schedule Chart.)					-				
i)	Cables shall be laid on cable trays / directly buried in ground / in masonry trenches / hume pipe as per sketches attached. It shall be ensured that all the cables are properly dressed up whether horizontally or vertically. There will not be any criss crossing or overlapping of cables. Before laying the cables, the contractor will prepare a detailed cable tray schedule showing no. of cables per tray with proper distance maintained to avoid proximity of losses and get it approved from P.M.C./ consultants. Every cable which is entering into the panel and coming out of panel have to be marked with the arrow direction. Proper clamping of the cable have to be done. Crossing and overlapping while running have to be avoided.					-				
ii)	<u>Tagging of cables</u> :- Proper cables tags of Copper and feeder shall be written in black colour in proper font. sample shall be got approved from client / P.M.C. / consultants. The tag shall be properly tied to cable in proper way with the help of G.I. wire.					-				
a)	2C x 6 Sqmm Al Ar Xlpe Cable	Mtrs.				-				
b)	4C x 6 Sqmm Al Ar Xlpe Cable	Mtrs.				-				
c)	2C x 10 Sqmm Al Ar Xlpe Cable	Mtrs.				-				
d)	4C x 10 Sqmm Al Ar Xlpe Cable	Mtrs.				-				
e)	4C x 16 Sqmm Al Ar Xlpe Cable	Mtrs.		1,706.00		1,706.00				
f)	4C x 25 Sqmm Al Ar Xlpe Cable	Mtrs.		98.00		98.00				
g)	4C x 35 Sqmm Al Ar Xlpe Cable	Mtrs.				-				
h)	3.5C x 50 Sqmm Al Ar Xlpe Cable	Mtrs.		545.00		545.00				
i)	3.5C x 70 Sqmm Al Ar Xlpe Cable	Mtrs.		120.00		120.00				
j)	3.5C x 95 Sqmm Al Ar Xlpe Cable	Mtrs.		290.00		290.00				
k)	3.5C x 120 Sqmm Al Ar Xlpe Cable	Mtrs.		250.00		250.00				
l)	3.5C x 150 Sqmm Al Ar Xlpe Cable	Mtrs.		108.00		108.00				
m)	3.5C x 240 Sqmm Al Ar Xlpe Cable	Mtrs.		389.00		389.00				
n)	3.5C x 300 Sqmm Al Ar Xlpe Cable	Mtrs.		1,215.00		1,215.00				
						-				
3.2	LT Cable End Terminations: Making end terminations joints for the following size of cables including providing heavy duty aluminium / copper terminal crimping lugs as per cable material, double compression brass cable glands with earth tags, effective gland connections and effective terminal connections to the equipment complete as required. (Where ever connection between aluminium and copper to be done Bimetallic lugs shall be used). All the cable glands of the armoured cable shall have earth tags with proper earthing and to be supplied along with the cable gland only by the OEM (Dowels/Baliga/Comet). Work includes providing and proper termination of earth wire from earth ring to earth bus with proper manner, clamping etc.					-				
	Termination of cable:-					-				
i)	Cables shall be terminated in panels with solders less heavy duty clamping compression glands.					-				
ii)	The holes in gland plates shall be made with drill cutter of proper size.					-				
iii)	Cable boots shall be provided on each cable.					-				
iv)	Gland shoe cover shall be provided as per gland sizes and glands also should be earthed.					-				
v)	It shall be ensured that no spare holes are left in any gland plate and if there is any worned hole is left in gland plate, it					-				
vi)	Earth conductor with cable, two earth wires as per schedule shall be connected for each cable and terminated in earth bus provided on panel and each strip along cable tray. Sizing of cable Lugs and cable Glands :- It shall be ensured that sizes of glands and lug as moving are as per cable sizes and terminated properly. Bonding of cable as moving strip of gland :- It shall be ensured that are as moving strip of cable is properly cut and secured with cable gland earthing link to be included in all glands.					-				
a)	2C x 6 Sqmm Al Ar Xlpe Cable	Nos				-				
b)	4C x 6 Sqmm Al Ar Xlpe Cable	Nos				-				
c)	2C x 10 Sqmm Al Ar Xlpe Cable	Nos				-				
d)	4C x 10 Sqmm Al Ar Xlpe Cable	Nos				-				
e)	4C x 16 Sqmm Al Ar Xlpe Cable	Nos	64			64.00				
f)	4C x 25 Sqmm Al Ar Xlpe Cable	Nos	6			6.00				
g)	4C x 35 Sqmm Al Ar Xlpe Cable	Nos				-				
h)	3.5C x 50 Sqmm Al Ar Xlpe Cable	Nos	26			26.00				

SL. NO.	DESCRIPTION	UNIT	QTY.				SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING	TOTAL				
i)	3.5C x 70 Sqmm Al Ar Xlpe Cable	Nos	16			16.00				
j)	3.5C x 95 Sqmm Al Ar Xlpe Cable	Nos	8			8.00				
k)	3.5C x 120 Sqmm Al Ar Xlpe Cable	Nos	6			6.00				
l)	3.5C x 150 Sqmm Al Ar Xlpe Cable	Nos	8			8.00				
m)	3.5C x 240 Sqmm Al Ar Xlpe Cable	Nos	10			10.00				
n)	3.5C x 300 Sqmm Al Ar Xlpe Cable	Nos	34			34.00				
						-				
3.3	Supply, installation, effecting proper connection testing and					-				
a	1C 50 sq.mm. Flex. Cu. Cable (multistrand)	RM				-				
b	1C 35 sq.mm. Flex. Cu. Cable (multistrand)	RM				-				
c	1C 25sq.mm. Flex. Cu. Cable (multistrand)	RM				-				
d	1C 16 sq.mm. Flex. Cu. Cable (multistrand)	RM				-				
e	1C 10 sq.mm. Flex. Cu. Cable (multistrand)	RM				-				
						-				
3.4	Providing end Termination of following single core copper flexible cables with heavy duty PVC PG glands at both ends complete with solder less tinned long barrel Cu crimping type lugs, shoe caps as per cable sizes and cable tags on both ends as per Amazon standards etc. as complete.					-				
Note:-	Copper cable to and from U.P.S shall be terminated with P.G. glands and copper crimped lugs.					-				
						-				
a	1C 50 sq.mm. Flex. Cu. Cable (multistrand)	Nos.				-				
b	1C 35 sq.mm. Flex. Cu. Cable (multistrand)	Nos.				-				
c	1C 25sq.mm. Flex. Cu. Cable (multistrand)	Nos.				-				
d	1C 16 sq.mm. Cu. Cable (multistrand)	Nos.				-				
e	1C 10 sq.mm. Cu. Cable (multistrand)	Nos.				-				
	TOTAL TO SUMMARY					-				
						-				
4	LIGHTNING PROTECTION					-				
	Air Terminal (Horizontal)					-				
4.1	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	5.00			5.00				
						-				
4.2	Providing and fixing G.I. tape 25 mm X 5 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For horizontal run)	Mtrs.	900.00			900.00				
						-				
4.3	Providing and fixing G.I. tape 25 mm X 5 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For vertical run)	Mtrs.	330.00			330.00				
						-				
4.4	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 Nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	Nos.	28.00			28.00				
						-				
4.5	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal/ coke and salt) as required.	Set	28.00			28.00				
						-				
	TOTAL TO SUMMARY					-				
						-				
5.0	EARTHING					-				
	CHEMICALLY TREATED LOW IMPEDANCE EARTH STATIONS					-				
	Supply, installation, testing and commissioning of equipotential earthing type Dual GI MS / Cu Pipes sealed at both ends earthing electrode with flat full length copper terminal inside & filled with highly conductive, non corrosive, non magnetic moisture boosting chemical for Ground Resistance improvement as per detailed specification given below (must comply to IS 3043 code of practice for earthing.) Chemical is also to be put around above pipe electrode in earth pit in form of slurry to retain moisture including excavation / cutting of 150 mm concrete (or as per site) of earth back filling, dressing and making earth pit complete with heavy duty 25 ton Capacity .RCC earth pit chamber(M25 Grade) / cover at					-				
a)	COPPER EARTH PIT					-				
	Type 1: This type will have pipe electrode which is 3m long & outer shell to have min 80 mm dia x 3.65 mm thick, inner shell to be max. 50mm dia x 3.25 mm thick. with Cu coating of 80 to 120 microns for outer shell & about 200 to 300 microns for inner shell. Terminal & electrode flat size should be 40 x 10 mm or equivalent copper conductor. Pipe	Nos.	10.00	2.00		12.00				
b)	G.I. EARTH PIT					-				

SL. NO.	DESCRIPTION	UNIT	QTY.			SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING				
	Type 2: This type will have pipe electrode which is 3m long & outer shell to have min 80 mm dia x 3.65 mm thick, inner shell to be max. 50mm dia x 3.25 mm thick, with GI coating of 80 to 120 microns for outer shell & about 200 to 300 microns for inner shell. Terminal & electrode flat size should be 40 x 10 mm or equivalent GI conductor. Pipe Electrode will be laid inside a bore of about 200mm dia. Note:- Test links for every earth pits shall be provided at convenient location for checking earth resistance after completion of earth pit and before mounting. Note:-	Nos.	9.00	2.00		11.00			
	i) Earthings :- Checking of earth resistance of all existing earth stations, connection of earth conductors and measurement of earth resistance of each station and submit report.					-			
						-			
	TOTAL TO SUMMARY					-			
6.0	EARTH GRID CONDUCTOR					-			
6.1	Copper / GI Strips: Providing and fixing in position the following copper / G.I. strips and wires including providing all fixing accessories and effecting proper connections. GI Flat joint will be Nut Bolt & welded with an overlap four times the width of the flat. After welding exposed zinc surface will be covered with bitumen to protect it from corrosion.					-			
a)	Hot Dip Galvanized strip of 50mm x 6 mm	RM	250.00			250.00			
b)	Hot Dip Galvanized strip of 32mm x 6 mm	RM	300.00			300.00			
c)	Hot Dip Galvanized strip of 25mm x 6 mm (For 2 Runs With all cable trays and Body Earthing of other Distribution Panels and D.G. Set body Earthing etc.)	RM	800.00			800.00			
d)	4 SWG GI Wire	RM				-			
e)	6 SWG GI Wire	RM				-			
f)	8 SWG GI Wire (For body earthing of all DB's etc.)	RM	2 200.00			2,200.00			
g)	32mm x 6mm Copper Flat strip with black colour sleeves and purity of copper shall be 99.9%	RM	250.00			250.00			
h)	25mm x 6mm Copper Flat strip with black colour sleeves for D.G. Sets Neutral and purity of copper shall be 99.9%	RM	150.00			150.00			
						-			
6.2	Earth Bus: Making earth terminating strip made of 50 mm x 6 mm about 300 mm long of CU & erecting it on two insulators complete with 3 Nos holes of 18 mm with plated bolts of 15 mm x 40 mm complete with 6 Nos plain copper plated washer and 3 Nos. spring washer on each strip, complete in all respects.	Nos.	10.00			10.00			
6.3	Earth Bus: Making earth terminating strip made of 25 mm x 6 mm about 300 mm long of Copper & erecting it on two insulators complete with 3 Nos holes of 18 mm with plated bolts of 15 mm x 40 mm complete with 6 Nos plain copper plated washer and 3 Nos. spring washer on each strip, complete in all respects.	Nos.	10.00			10.00			
6.4	Earth Bus: Making earth terminating strip made of 32 mm x 6 mm about 300 mm long of Copper & erecting it on two insulators complete with 3 Nos holes of 18 mm with plated bolts of 15 mm x 40 mm complete with 6 Nos plain copper plated washer and 3 Nos. spring washer on each strip, complete in all respects.	Nos.	10.00			10.00			
6.5	Supplying and fixing following dia NP-3 hume pipe for crossing the cables under the roads and paved areas.					-			
a	100mm	Mtrs.				-			
b	150mm	Mtrs.				-			
c	200mm	Mtrs.				-			
d	300mm	Mtrs.				-			
e	Supplying the necessary materials and making masonry manhole & draw pits of 600x600x900mm size complete with Heavy duty RCC manhole etc.	Nos.				-			
f	Supplying the necessary materials and making masonry manhole & draw pits of 900x900x1200mm size complete with Heavy duty RCC manhole etc.	Nos.				-			
g	Supply and installation of following sizes of H.D.P.E. Double Wall Corrugated Pipes including jointing terminations etc. all included					-			
i	75 mm dia	Mtrs.	100.00			100.00			
ii	150 mm dia	Mtrs.	100.00			100.00			
iii	200 mm dia	Mtrs.	RO						
	Notes					-			
	The cable Quantities given are approximate. The contractor shall measure the cables required at site and procurement.					-			
						-			
	TOTAL TO SUMMARY					-			
7.0	LIGHTING FIXTURES & FANS					-			
1	NOTE:-					-			
	Following mentioned lights will be checked practically after installation at application and best light will be selected based on technical approach					-			
						-			

SL. NO.	DESCRIPTION	UNIT	QTY.			TOTAL	SUPPLY	INSATALLATION	SUPPLY	INSATALLATION
			HOSTEL	DB Area	PARKING		RATE	RATE	AMOUNT	AMOUNT
	Clearance for light fitting will be on sample approval. Purchaser reserve the right to choose qty make and type of luminaire from below specified lights.					-				
	Vendors shall give 5 Year Guarantee for performance of each light fixtures, which includes failure of light, any colour variance, lumens output variance wrt declared curve, any manufacturing defect etc.					-				
	Quantities shown are based on drawings. The same to be checked by site team for quantities and for false ceiling / non false ceiling areas before ordering.					-				
	Supply, installation, testing & commissioning of light fittings as per specifications below, complete with control gear, lamps, fixing, GI terminal box and mounting accessories like steel supports, GI rod, steel clamps etc as required. Samples shall be submitted by contractor for approval of owner.					-				
7.1	INTERNAL/EXTERNAL LIGHTING					-				
a.	40W LED Linear light fixture with all accessories complete as required. (Eveready LEDLLUD04014 or equal or equivalent)	Nos.	1,153.00			1,153.00				
b.	18W LED Surface Mounted light fixture with all accessories complete as required. (Eveready LEDDN01816-01 or equal or equivalent)	Nos.	3,714.00		178.00	3,892.00				
c.	12W LED Surface Mounted light fixture with all accessories complete as required. (EVEREADY LEDDN01216-01 or equal or equivalent)	Nos.			14.00	14.00				
d.	07W LED Surface Mounted light fixture with all accessories complete as required. EVEREADY LEDDN01816-01 or equal or equivalent)	Nos.			56.00	56.00				
e.	20W LED Ceiling Mounted light fixture with all accessories complete as required. (EVEREADY LEDLLUD02014 or equal or equivalent)	Nos.	26.00		354.00	380.00				
f.	12 Watt LED lighting fixture (wall mounted) for mirror complete with all accessories as required. (As per architects)	Nos.	525.00		24.00	549.00				
g.	08 Watt LED wall lighting fixture bulk head type with IP 65 and glass protection, complete with all accessories as required. EVEREADY LEDBK01015-02 or equal or equivalent)	Nos.	82.00		8.00	90.00				
h.	70 Watt LED wall/suspended type flood lighting fixture type with IP 65 and glass protection, complete with all accessories as required. (EVEREADY N/A LEDFL08015-05PC HE or equal or equivalent)	Nos.	6.00			6.00				
i.	200 Watt LED wall/ceiling type lighting fixture type with IP 65, complete with all hanging arrangement, chain lock etc accessories as required. (EVEREADY LEDFL20015-04 or equal or equivalent)	Nos.			30.00	30.00				
j.	500 Watt LED wall/ceiling type flood lighting fixture, complete with all hanging arrangement, chain lock etc. accessories as required. (EVEREADY PERFORMAX H PC LEDFL50015-03HPC or equal or equivalent)	Nos.			40.00	40.00				
k.	150 Watt LED wall/ceiling type flood lighting fixture, complete with all hanging arrangement, chain lock etc. accessories as required. (EVEREADY N/A LEDFL15015-05PC HE or equal or equivalent)	Nos.			27.00	27.00				
l.	150 Watt linear LED high-bay lighting fixture, complete with all hanging arrangement, chain lock etc. accessories as required. (EVEREADY LEDHIBAY06016L-PC or equal or equivalent)	Nos.			10.00	10.00				
m.	7 Watt LED wall/floor type LED lighting fixture type with IP 65, complete with all accessories as required. (EVEREADY N/A LEDFL08015-05PC HE or equal or equivalent)	Nos.	44.00			44.00				
n.	7 Watt LED wall/floor type LED lighting fixture type with IP 65, complete with all accessories as required. (EVEREADY N/A LEDFL08015-05PC HE or equal or equivalent)	Nos.	30.00			30.00				
o.	120 Watt LED high-bay lighting linear ceiling mounted LED lighting fixture with all hanging accessories as required to complete the job. (EVEREADY LEDHIBAY12015R-PC HE or equal or equivalent)	Nos.	38.00			38.00				
7.2	CEILING, WALL BRACKET & EXHAUST FAN					-				
a)	Supplying 1400mm dia sweep ceiling fan with standard down rod, of Crompton, Usha, Bajaj make or equivalent	Nos.	RO							
b)	Supplying 1200mm dia sweep ceiling fan with standard down rod, of Crompton, Usha, Bajaj make or equivalent	Nos.	1,093.00		5.00	1,098.00				
c)	300mm dia heavy duty 900 RPM exhaust fan complete with louvered shutters (Aistom/ Crompton) or equivalent	Nos.	RO							
d)	450mm dia, heavy duty 900 RPM exhaust fan complete with louvered shutters (Aistom/ Crompton) or equivalent	Nos.	RO							
e)	Supply, installation, testing and commissioning on single module 5 step fan regulator in existing switch board as required.	Nos.	1,093.00		2.00	1,095.00				
f)	Ceiling hanging/wall mounted, LED exit signage with display of door direction, with inbuilt battery backup and electrical connection, visibility upto 20 Mtr, as per IS code as follows					-				
a)	Single sided wall mounted	Nos.	22.00		4.00	26.00				
b)	Double sided exit signage (Hanging)	Nos.	22.00		4.00	26.00				
c)	Single sided directional exit signage (Hanging)	Nos.	22.00		4.00	26.00				

SL. NO.	DESCRIPTION	UNIT	QTY.				SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING	TOTAL				
d)	Double sided directional exit signage (Hanging)	Nos.	5.00		4.00	9.00				
						-				
	TOTAL TO SUMMARY					-				
						-				
8.0	DATA NETWORKING SYSTEM					-				
i	Supplying, installation, testing & commissioning of RJ-45 Flush mounted information outlets wired according to T568A/B standard with face plate in the existing G.I./ Zinc cromated box/ floor box/ pop-up box complete with inner plate and modular type front plate modular box. complete as required.					-				
a)	Single outlet	Nos.	592.00			592.00				
b)	Double outlets	Nos.	4.00			4.00				
ii	Supply, drawing, testing & commissioning of 4 pair, A5, category 6A, solid, F/UTP, LSOH-1/3-22, Reel- 305 meter, Class Dca-s, 23 AWG copper conductor existing conduit/raceway etc. complete as required. (considering 305 Mtr /roll)	Mtrs.	28,000.00			28,000.00				
iii	Providing, claming and fixing of Cat6A shielded outlets ZMAX, Shielded, Category 6A, RJ45, Hybrid, White, Tool-Less, T568A/B	Nos.	600.00			600.00				
iv	Providing and fixing of copper patch cord 2 Mtr in length, RJ45, Category 6A, S/FTP, T568A/B, Stranded, CM/LSOH-1, Clear Boot, 26 AWG (for panel end)	Nos.	600.00			600.00				
v	Providing and fixing of copper patch cord 2 Mtr in length, RJ45, Category 6A, S/FTP, T568A/B, Stranded, CM/LSOH-1, Clear Boot, 26 AWG (for workstation/user end)	Nos.	596.00			596.00				
vi	Providing, laying & testing of following length of 100% gold plated HDMI, 4K,120Hz conductors on both end including fixing by providing faceplate in existing junction box/floor					-				
a)	5 Mtr	Nos.								
b)	10 Mtr	Nos.								
c)	15 Mtr	Nos.								
						-				
vii	Supply, Installation, Testing and commissioning of Access Point Ceiling Mount with Ultra-fast 802.11ax with maximum aggregate 5.3Gbps data rate provides an amazing experience for the most demanding Wi-Fi users and environments, ensuring data can be processed at higher speeds without compromising streaming quality. • Wi-Fi CERTIFIED 6™ ensures that Wi-Fi 6-capable devices meet the highest standards for security and interoperability. • 2.5G Ethernet uplink port provides faster Wi-Fi speeds for activities like high-definition video streaming and gaming applications. • 160MHz client bandwidth supports higher mesh throughput with HE1601 on the 5GHz backhaul for high wireless throughput without lagging and buffering. • Expansive Wi-Fi coverage and capacity from corner to corner with 4 spatial streams. • Target Wake Time (TWT) establishes a schedule for clients to communicate with an AP, reducing power consumption and extending battery life. • MIMO support provides service to multiple client devices (Wi-Fi 5 and Wi-Fi 6) at the same time — no need to replace	Nos.	296.00			296.00				
						-				
	TOTAL TO SUMMARY					-				
						-				
9.0	POINT WIRING					-				
	NOTES:					-				
1	The rates for point wiring shall not include the circuit wiring.					-				
2	Circuit wiring means the wiring from DB/Dimmer panel to the first point of circuit or switch boards/Dimmer junction box/sensor					-				
3	Circuit wiring and subsequent looping shall be done with 2.5 Sqmm, 1100V grade PVC insulated stranded, copper conductor wires.					-				
4	The PVC Conduits, GI Boxes (18 SWG) are already installed at site and wires shall be provided by client as and when requirement raise by contractor.					-				
5	The rates of point wiring shall include earthing of each light, fan, switches, switch plates, boxes and other non current carrying metallic part with 2.5 Sqm. Stranded copper, PVC flexible wire.					-				
6	Galvanised/MS Box Modular Plate, switches and sockets shall be of same make as approved by Client.					-				
7	All wire terminations shall be made using thimbles.					-				
						-				
1.0	Wiring for switch controlled light point/fan point/call bell point/ chandellier with 1.5 sqmm FRLS PVC insulated, 1100 V grade stranded copper conductor wire in surface/ recessed PVC conduit with providing & fixing of modular switches (6A, 240 V), plate in GI box, and earthing with 1.5 Sqmm FRLS PVC insulated green copper wire complete with all accessories as required (first point shall be used from 1.5 sqmm 660/1100V grade FRLS PVC insulated copper wires & looping also with 1.5 sqmm).					-				
a)	First Point	Nos.	4,952.50		57.00	5,009.50				
b)	Loop Point	Nos.	3,486.50		67.00	3,553.50				
						-				

SL. NO.	DESCRIPTION	UNIT	QTY.			SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING				
2.0	Wiring for two way switched controlled light point/fan point/call bell point/ chandellier with 1.5 sqmm FRLS PVC insulated, 1100 V grade stranded copper conductor wire in surface/ recessed PVC conduit with providing & fixing of modular switches (6A, 240 V), plate in GI box, and earthing with 1.5 Sqmm FRLS PVC insulated green copper wire complete with all accessories as required (first point shall be used from 1.5 sqmm 660/1100V grade FRLS PVC insulated copper wires & looping also with 1.5 sqmm).								
a)	First Point	Nos.				-			
b)	Loop Point	Nos.				-			
3.0	Wiring for MCB controlled light point/fan point/call bell point/ chandellier with 1.5 sqmm FRLS PVC insulated, 1100 V grade stranded copper conductor wire in surface/ recessed PVC conduit with providing & fixing of modular switches (6A, 240 V), plate in GI box, and earthing with 1.5 Sqmm FRLS PVC insulated green copper wire complete with all accessories as required (first point shall be used from 1.5 sqmm 660/1100V grade FRLS PVC insulated copper wires & looping also with 1.5 sqmm).								
a)	First Point	Nos.	6.00		79.00	85.00			
b)	Loop Point	Nos.	38.00		544.00	582.00			
4.0	Wiring for 16 Amp Raw/UPS power outlet with 4.0 Sqmm 660/1100V FR PVC insulated multistranded copper conductor wires in recessed/surface PVC conduit, supply and fixing of 6 pin 16 Amps shuttered modular switch socket, switch plate with internal wiring in G.I. box, earthing of 3rd pin with PVC insulated, green colour 4.0 Sqmm copper wire, complete with all accessories as required. (Power Socket).								
a)	One point Per circuit	Nos.	435.00		44.00	479.00			
b)	Two points per circuit	Nos.	435.00		44.00	479.00			
5.0	Wiring for dedicated 16 Amp Raw/UPS power outlet with 6.0 Sqmm 660/1100V FR PVC insulated multistranded copper conductor wires in recessed/surface PVC conduit, supply and fixing of 6 pin 16 Amps shuttered modular switch socket, switch plate with internal wiring in G.I. box, earthing of 3rd pin with PVC insulated, green colour 6.0 Sqmm copper wire, complete with all accessories as required. (Power Socket for Heater/ Geyser etc.).								
a)	One point Per circuit	Nos.				-			
6.0	Wiring for 6A 5/6 pin Raw/UPS socket outlet point in ceiling/wall/table with 2.5 Sq.mm 1100V FRLS PVC insulated, multistranded copper conductor cable in surface/recessed PVC conduit with fixing of plate, GI box or in furniture module, 6A modular switch socket and earthing complete with all accessories as required (first point shall be wired from 2.5 sqmm 660V grade FR PVC insulated multistranded copper wires & looping also with 2.5 sqmm).								
a)	First Point	Nos.	757.50		25.00	782.50			
b)	Loop Point	Nos.	757.50		25.00	782.50			
7.0	Supply and installation of three phase, industrial type commondo socket outlet including termination, wiring, earthing etc. in surface / recessed MS conduit including cost of cutting and filling chases as required with fixing as required. (including conduiting & wiring of suitable size as required).								
a)	16A 3P+E commondo socket outlet	Nos.	10.00			10.00			
8.0	Supply and installation of three phase weather proof following rating TPN isolator in sheet steel encloser including termination, earthing etc. , surface/recessed mounting as required.								
a)	16A TPN Isolator	Nos.				-			
b)	40A TPN Isolator	Nos.	1.00			1.00			
c)	63A TPN Isolator	Nos.	4.00		5.00	9.00			
d)	100A TPN Isolator	Nos.	-		1.00	1.00			
e)	315A TPN Isolator	Nos.	4.00			4.00			
9.0	Supplying and laying of following sizes of 1.6mm thick medium duty PVC conduit on surface/ recess including cutting/ filling chases along with conduit accessories etc. complete as required.								
a)	25 mm dia	RM	1,500.00		750.00	2,250.00			
b)	32 mm dia	RM	1,800.00		350.00	2,150.00			
10.0	Supply & fixing the following sizes of MS Modular boxes in wall/recessed of following sizes as per below Complete including cutting the wall and making good the same as required.								
a)	Modular box 2 module	Nos.				-			
b)	Modular box 3 module	Nos.				-			
c)	Modular box 4 module	Nos.				-			
d)	Modular box 6 module	Nos.				-			
e)	Modular box 8 module	Nos.				-			
f)	Modular box 12 module	Nos.				-			
TOTAL TO SUMMARY						-			
LT Panels will be Client supply.						-			
10.0	FLOOR PANELS					-			

SL. NO.	DESCRIPTION	UNIT	QTY.				SUPPLY	INSATALLATION	SUPPLY	INSATALLATION
			HOSTEL	DB Area	PARKING	TOTAL	RATE	RATE	AMOUNT	AMOUNT
	Design, fabrication, loading, unloading, Installation, shifting, testing & commissioning of LT Panels fabricated out of 2mm thick for structural members (Load bearing members) and 1.6mm thick for door and covers (Non load bearing members) CRCA sheet in cubicle compartmentalize wall mounted, dust and vermin proof to provide a degree of ingress protection of IP 42 with reinforcement of suitable size angle iron, channel 'T' irons and / or flats wherever necessary, 16 gauge CRCA sheet steel shall be used for final distribution panels. Cable gland plates shall be provided on top as well as at the bottom of the panels. Panels shall be treated with all anticorrosive process before painting as per specifications with 2 coats of zinc chromate primer and final approved shade of powder coated paint. 2 Nos. earthing terminals shall be provided for all distribution panels. Panels shall be suitable for 415V, 3-phase, 4-wire, 50Hz supply system and with 15% spare space, lifting hooks shall also be provided in Case of large panels.					-				
10.1	SUB LT PANEL					-				
	Incomings:					-				
	One(1) No.3200A 4P ACB (50KA) microprocessor based					-				
	Surge Protection Device of suitable size (type 1 & 2)					-				
	Metering, Indication & Protection					-				
	One (1) numbers (0-3200A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-				
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-				
	Bus Bar:					-				
	3600A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-				
	Outgoings:					-				
	Two (2) Nos. of 1600A, TPN ACB (50 KA) with ON OFF TRIP Indication					-				
	Two (2) Nos. of 800A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	Two (2) Nos. of 630A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 315A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 250A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 200A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 125A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 100A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	Four (4) Nos. of 80A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	Four (4) Nos. of 63A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables)					-				
	One (1) Nos. of 40A, TPN MCB with suitable conection terminal (one side to busbar and other for cables)					-				
	SUB LT PANEL as described above:	Nos.		1.00	-	1.00				
10.2	UPS Panel					-				
	Incomings:					-				
	Two(2) No.63A 4P MCCB microprocessor based					-				
	One(1) No.63A 4P MCCB Bus-Coupler					-				
	Metering, Indication & Protection					-				
	Two (2) numbers (0-60A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-				
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-				
	Bus Bar:					-				
	3600A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-				
	Outgoings:					-				
	Fifty (50) Nos. of 40A, SPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-				
	UPS Panel as described above:	Nos.		1.00	-	1.00				
10.3	STILT FLOOR SMDB					-				
	Incomings:					-				
	One(1) No.250A TPN MCCB microprocessor based					-				
	Metering, Indication & Protection					-				
	One (1) numbers (0-250A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-				
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-				
	Bus Bar:					-				
	400A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-				
	Outgoings:					-				
	Sixteen (16) Nos. of 63A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-				
	Four (4) Nos. of 40A, SPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-				
	STILT FLOOR SMDB as described above:	Nos.		1.00	-	1.00				
10.4	GROUND, SECOND, FOURTH, SITH, EIGHTH & TENTH FLOOR SMDB					-				
	Incomings:					-				
	One(1) No.250A TPN MCCB microprocessor based					-				

SL. NO.	DESCRIPTION	UNIT	QTY.			SUPPLY RATE	INSATALLATION RATE	SUPPLY AMOUNT	INSATALLATION AMOUNT
			HOSTEL	DB Area	PARKING				
	Metering, Indication & Protection					-			
	One (1) numbers (0-250A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-			
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-			
	Bus Bar:					-			
	400A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-			
	Outgoings:					-			
	Fifteen (15) Nos. of 63A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	One (1) Nos. of 80A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	GROUND, SECOND, FOURTH, SIXTH, EIGHTH & TENTH FLOOR SMDB as described above:	Nos.		6.00	-	6.00			
						-			
10.5	CAR CHARGING PANEL					-			
	Incomings:					-			
	One(1) No 125A TPN MCCB microprocessor based					-			
	Metering, Indication & Protection					-			
	One (1) numbers (0-200A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-			
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-			
	Bus Bar:					-			
	200A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-			
	Outgoings:					-			
	Six (6) Nos. of 63A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	One(1) Nos. of 80A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	CAR CHARGING PANEL as described above:	Nos.		1.00	-	1.00			
						-			
10.6	FIRE FIGHTING PANEL					-			
	Incomings:					-			
	One(1) No 400A TPN MCCB microprocessor based					-			
	Metering, Indication & Protection					-			
	One (1) numbers (0-400A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-			
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-			
	Bus Bar:					-			
	500A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-			
	Outgoings:					-			
	Two (2) Nos. of 200A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	One (1) Nos. of 160A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	One (1) Nos. of 125A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	One (1) Nos. of 100A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	Two (2) Nos. of 63A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	FIREFIGHTING PANEL as described above:	Nos.		1.00	-	1.00			
						-			
10.7	TERRACE PLUMBING PANEL					-			
	Incomings:					-			
	One(1) No 630A TPN MCCB microprocessor based					-			
	Metering, Indication & Protection					-			
	One (1) numbers (0-600A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-			
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-			
	Bus Bar:					-			
	700A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-			
	Outgoings:					-			
	Two (2) Nos. of 315A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	Six (6) Nos. of 40A, TPN MCCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	TERRACE PLUMBING PANEL as described above:	Nos.		1.00	-	1.00			
						-			
10.8	PLUMBING PANEL					-			
	Incomings:					-			
	One(1) No 200A TPN MCCB microprocessor based					-			
	Metering, Indication & Protection					-			
	One (1) numbers (0-200A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-			
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-			
	Bus Bar:					-			
	250A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-			
	Outgoings:					-			
	Twenty (20) Nos. of 40A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	Four (4) Nos. of 63A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			
	Four (4) Nos. of 80A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-			

SL. NO.	DESCRIPTION	UNIT	QTY.			TOTAL	SUPPLY	INSATALLATION	SUPPLY	INSATALLATION
			HOSTEL	DB Area	PARKING		RATE	RATE	AMOUNT	AMOUNT
	PLUMBING PANEL as described above:					-				
						-				
10.9	LIFT PANEL					-				
	Incomings:					-				
	One(1) No 80A TPN MCCB microprocessor based					-				
	One(1) No 80A Automatic Transfer Switch					-				
	Metering, Indication & Protection					-				
	One (1) numbers (0-80A) multi meter with A/V/ PF and suitable ratio of CL-1, 5A CT's					-				
	Set of RYB & ON, OFF, TRIP indicating lamps with control MCBs.					-				
	Bus Bar:					-				
	100A after deration, FP aluminium, colour coded bus bars suitable for 415V, 50Hz					-				
	Outgoings:					-				
	Five (5) Nos. of 40A, TPN MCB with suitable conection terminal (one side to busbar and other for cables/wires)					-				
	LIFT PANEL as described above			1.00		1.00				
						-				
10.1	Feeder Pillar -EX (Weather proof)					-				
	Incomer:					-				
	63A TPN MCCB with 3 Nos. 40A DP RCCB (100mA) as per SLD					-				
	Three (3) Nos. 32A DP Contactor (AC 3 Duty with 230V Control Coil)					-				
	One (1) Nos. 32A 4P ELCB (100mA) with 40A 4P Contactor (AC 3 Duty with 230V Control Coil)					-				
	One (1) Nos. 24 hour double dial programmable time switch on Auto mode arrangement for Auto/Manual selection, Push Buttons, Indication lamps & Control fuses etc as per drawings and as required					-				
	One (1) no. Mushroom head type emergency stop push button with under voltage release					-				
	Busbar					-				
	Suitable size 4P Al busbar					-				
	Outgoing					-				
	12 Nos 16A SPN MCBs.					-				
	Feeder Pillar -EX as described above:			1.00		1.00				
						-				
	TOTAL TO SUMMARY					-				
						-				
11	RISING MAIN					-				
i)	1400 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	7.00			7.00				
ii)	1250 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	14.00			14.00				
iii)	1000 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	7.00			7.00				
iv)	800 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	7.00			7.00				
v)	600 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	7.00			7.00				
vi)	400 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	7.00			7.00				
vii)	100 Amp, 50kA, copper sandwich rising main with housing ground 415 volt 50 Hz. IP 65 Class H (epoxy) insulation steel housing	Mtrs.	4.00			4.00				
viii)	Tap-off box (100A)	Nos.	1.00			1.00				
ix)	Tap-off box (200A)	Nos.	7.00			7.00				
						-				
	TOTAL TO SUMMARY					-				

BGS BOYS HOSTEL, NAGRURU									
BILL OF QUANTITY FOR EXTRA LOW VOLTAGE WORKS									
S.No.	Description	Qty.			UNIT	SUPPLY	INSATALLATION	SUPPLY	INSATALLATION
		HOSTEL	PARKING	Total		RATE	RATE	AMOUNT	AMOUNT
NOTE : CONTRACTOR HAS TO SUBMIT THE CAUSE EFFECT MATIX TO THE ENGINEER INCHARGE INDICATING THE INTEGRATION BETWEEN EARLY DETECTION, ADDRESSABLE FIRE ALARM SYSTEM, FIRE FIGHTING SYSTEM AND HOOTERS ETC.									
1	FIRE ALARM SYSTEM								
1	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories. The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.								
a	2 Loop Panel.		1.00	1.00	No				
2	Supplying, installation, testing & commissioning of repeater panel with 320 character/ Touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.		-	-	No				
3	Supplying, installation, testing & commissioning of intelligent analog addressable smoke detector complete with mounting base complete as required.		34.00	34.00	Nos				
4	Supplying, installation, testing & commissioning of intelligent analog addressable multi smoke detector complete with mounting base complete as required.			-	Nos				
5	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.			-	Nos				
6	Supplying, installation, testing & commissioning of intelligent conventional Hooter cum strobe as required.	96.00	20.00	116.00	Nos				
7	Supplying, installation, testing & commissioning of fault isolator complete with base as required.		5.00	5.00	Nos				
8	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required.			-	Nos				
9	Supplying, installation, testing & commissioning of addressable fire control module complete as required.		5.00	5.00	Nos				
10	Supply, installation, testing & commissioning of Monitor module with complete accessories for mounting, UL approved.		5.00	5.00	Nos				
11	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	96.00	20.00	116.00	Nos				
12	Supplying, installation, testing & commissioning of Beam Detector (with reflector)			-	Nos				
13	CABLING & WIRING			-					
a	Supplying & laying of 2x1.5 sqm fire survival armoured cable, 600/1000V rated with annealed copper conductor having glass mica fire barrier tape covered by an extruded layer of Cross Linkable Ethylene Propylene Rubber (EPR) insulation and LSZH inner bedding, steel wire armouring & LSZH outer sheath complete as required.	1,000.00	550.00	1,550.00	Meter				
b	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. (From Fire panel to repeater panel)			-					
	1 run of cable			-	Meter				
14	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.			-					
15	25 mm dia ISI mark steel Conduit			-	Meter				
TOTAL OF FIRE ALARM SYSTEM				-					
2	PUBLIC ADDRESS SYSTEM								

1	Supply, installation, testing and commissioning of microprocessor based 8 zone PA console master control station with having 6zone selection switches, Gooseneck microphone for manual announcement, should have connectivity for thrid party music sourse, inbuilt battery charger, battery spare.	1.00	1.00	Nos				
2	Supply, installation, testing and commissioning of Booster Amplifier rack mounted 2500Watt including jacks, connections, connecting wires etc. complete as required.	3.00	3.00	Nos				
3	Supply, installation, testing and commissioning of call station with all zone selection capacity etc. complete as required.	1.00	1.00	Nos				
4	Supplying, installation, testing & commissioning of 6W metal box ceiling/surface mount speaker complete as required.	28.00	28.00	Nos				
5	Supplying, installation, testing & commissioning of 6W column speaker complete as required.			Nos				
6	Supplying, installation, testing & commissioning of 15W column speaker complete as required.	12.00	12.00	Nos				
7	Supplying, installation, testing & commissioning of floor mounted rack with inbuilt power socket, cooling fan, front glass protection complete in everyway.	1.00	1.00	Nos				
8	Supplying, installation, testing & commissioning of Horn type 30W speaker complete as required.			Nos				
9	Supplying and drawing of Speaker cable in existing surface / recessed steel conduit including connections and interconnections etc. Twisted single pair, 2-core, 1.5 sqm.	3,500.00	3,500.00	Meter				
10	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.							
a	25 mm dia ISI mark PVC Conduit	3,200.00	3,200.00	Meter				
b	32 mm dia ISI mark PVC Conduit	200.00	200.00	Meter				
TOTAL OF PUBLIC ADDRESS SYSTEM								
3 CCTV SYSTEM								
1	Supply and laying including termination of voice/ data cabling in existing conduits including terminations: Cat 6 cabling	10,750.00	3,850.00	14,600.00	Rm			
2	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.							
a	25 mm dia PVC Conduit	10,750.00	3,850.00	14,600.00	Meter			
TOTAL OF CCTV SYSTEM								



The Bidder has to quote the rate in the Item Data available online with this bid. Details to be filled up for price bid are as below:

The price shall be inclusive of all taxes (inclusive of GST) under the relevant Laws of India.

SL. No	Particular	Amount In Rs. (Inclusive of All the taxes)
1	Total Amount for Supply and Installation of Electrical works for Boys Hostel, Parking area at BGSMCH Nagarur.	
	Grand Total	
in words –Rs.		



PARTICULARS OF THE BIDDER

Sr. No	Description	Details (to be filled by the responder to the Bid)
1	Name of the company	
2	Official address	
3	Phone No. And Fax No.	
4	Corporate Headquarters Address	
5	Phone No. And Fax No.	
6	Web Site Address	
7	Details of Company's Registration (Please enclose copy of the company registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	ISO certifications and its validity	
11	GST registration No.	
12	Permanent Account Number (PAN)	
13	Company's Revenue for last 3 years (Year wise)	
14	Company's net worth for the last year	
15	Bank Details (Name, Account no, IFSC, MICR)	