

BOQ

Name of Work : Providing Interior Furnishing, Air conditioning system, Electrification and Fire fighting system in the Obstetrics and Gynaecology Skill Lab and Department Library at Women and Children Hospital, JIPMER, Puducherry.

SL NO.	DETAILS OF WORK	UNITS	QUANTITY	RATE	Rate in words	AMOUNT
1	<p>Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised @80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners,</p> <p>6 mm diameter fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size 24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be prepainted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.</p>					
	With 16 mm thick bevelled regular mineral fibre false ceiling tile (NRC 0.55 to 0.6)	sqm	180.00			
2	Providing and fixing 100mm vertical blinds of approved colour made from 100% polyester yarn coated with fade resistant polymer to ensure complete opaquity with zero light transmittance having suitable coating on exterior, including all fixtures and fittings complete in all respect as per design and instructions of the Engineer-in-charge	sqm	26.00			
3	Supply, installation, testing and commissioning of Ceiling Mounted 4-way type CASSETTE UNITS 230/250 V single phase of following capacity which combines auto air swing louvers, cooling coil into a single unit of specified design duly specified noise level with fan running at medium duty, remote controlled, with built in condensate drain pump integrated with water sensing system, vibration isolator pads, necessary supports for fixing unit, power wiring and outdoor condensing unit comprising of energy efficient suitable rotary compressor ODU MS stand, with suitable bolts, nuts, clamps, making holes on walls and plastering etc., first charge refrigerant gas (R410-A/R407-C), complete as required.					

	2 TR Nominal Capacity	Nos	7.00			
4	Supply, installation, testing and commissioning of Copper refrigerant piping for 2 TR machine of suitable size required with 13 mm nitrile rubber insulation interconnecting the Condensing unit to evaporating unit for Cassette units as per site condition	Rmt	100.00			
5	Supply, Laying and Fixing of control cabling of suitable size 4 x 4 Sq.mm required from the Indoor to outdoor units as per specification.	Rmt	120.00			
6	Voltage Stabilizer 5 KVA rating suitable for 2 TR Split AC Units with Overcurrent & Under voltage, Thermal overload protection. (The input voltage is 230V ± 10% AC 50 c/s)	Nos	7.00			
7	Supply, Laying and Fixing cable of suitable size 3 x 2.5 Sq.mm required from the stabilizer to indoor units as per specification.	Rmt	36.00			
8	Supply and installation of 20A-25A 3 pin metal clad plug and socket with 20A-25A MCB with suitable powder coated sheet steel enclosure with fixing accessories etc	Nos	7.00			
9	Supply and installation of PVC drain pipe ISI marked, connecting the drain lines from the indoor units to floor sump with 9mm thickness nitrile rubber insulation to be laid as per site required with as may be decided by Engineer-in-charge.					
	32mm dia	Rmt	100.00			
10	Supply of 36W diffused type LED panel light with all accessories like low loss high frequency electronic drives and fixing the same in the wall/ceiling with screws, hardware as required	Nos	22.00			
11	Removal of old items, ceiling fan-20 Nos, Tubelht-30 Nos, Existing PVC sockets and boxes-6 nos and existing wires. With dummies	Lot	1.00			
12	Supplying, Installation & Testing Commissioning Of Podium Stage Mike With 60W Amplifier, Flexible Gooseneck mic & VHF Cordless hand And high Quality Wooden top, steel Body bottom with spray painting and Frequency response of 100HZ-16000HZ with height of 1100mm including ,reading surface of (580'x420'mm) and Stage light .	Nos	1.00			
13	Supplying of NT type VGA Cable ,15meter and 3core power cable 15meter,with include casing capping and screen projector size of (4'X6") , charges for installation of Ceiling Kit for LCD Projector with Adjustable telescopic arm of 3Feet. Charges Make Liberty	LS	2.00			
14	Supplying, Installation & Testing Commissioning Of LCD Projector, Model EB - X31, with 3200lumens ANSI hours, XGA(1024x768 Pixels) resolution of 6000hours lamp life, Input VGA, Video output, HDMI, USB, Audio WiFi option.	Nos	2.00			
15	Wiring of circuit / sub main wiring along with earth wire with following sizes of FRLS PVC insulated cable in surface / recessed in existing conduit / PVC pipes					
16	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	RM	120.00			
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	RM	210.00			

17	Supplying and fixing of Medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
	25mm	RM	300.00			
18	Supplying and fixing 5 A to 32 A rating 240/415 V 10kv C curve MCB suitable for inductive load of following poles in existing MCB DB complete with connections, testing and commissioning.					
	25 A Single Pole	Each	15.00			
	32 A 4 Pole	Each	4.00			
19	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.					
	12 WAY SPN DB	Each	1.00			
20	Supplying and fixing of following modular switch / socket on the existing modular plate & switch box including connection but excluding modular plate etc., as required					
	3 Module(100mmX75mm)	Each	6.00			
	6 Module(200mmX75mm)	Each	6.00			
21	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connection but excluding modular plate etc., as required					
	5/6 amps switch	Each	20.00			
	3 pin 5/6 amp socket outlet	Each	12.00			
22	Supplying & fixing of casing N capping along with accessories in surface/ recess and making good all damages(any ISI marked)					
	25mm	RM	90.00			
23	Supplying and drawing of UTP CAT 6 LAN cable in including surface /recessed steel / PVC conduit as required complete with connections, testing and commissioning as directed by Engineer-in-charge. (Approved make)					
	1 run of cable	RM	170.00			
24	RJ 45 Connector pin	Each	10.00			
25	IO Socket outlet	Each	10.00			
26	Supplying Installation and testing Commissioning of 15MM dia brass sprinkler head designed to operate 68 degree Celsius Approve Make : Tyco, NEW AGE	Nos	10.00			

27	Supplying, installation, testing and commissioning of Sprinkler Flexible Hose 1500 mm in length, Unbraided, along with all necessary accessories like Nipple threaded , Reducing Nipple threaded, Large Bracket with Bolt, Small Bracket with Bolt, clamps, reducer collar, Meter Square Bar etc complete as per spec.	Nos	10.00			
28	Supplying and Fixing of MS Rosette Plate For Pendant Type Sprinkler.	Nos	10.00			
29	Supplying and painting of Signal red paint enamel, Yellow primer and turpene of approved brand to apply on sprinkler pipes	Mtrs	50.00			
30	Supplying, installation, testing and commissioning of 2 core cable of 1.5 sq mm copper conductor of approved Make: Armoured, Polycab, Kundan, Finolex	Mtrs	50.00			
31	Supplying and fixing of shellac pipe thread as per the direction of Engineer in-charge	Nos	15.00			
32	Modification of fire pipe line for fitting flexible sprinkler hose- by dismantling existing sprinklers, removing of sprinkler head and pipe support, complete the work as per the direction of Engineer in-charge	Nos	10.00			
33	Supply, Installation , testing , commissioning and integration of optical Smoke detector as per the direction of Engineer in-charge (M-RE104)	Nos	8.00			
Sub total Amount						
GST @ 18%						
Grand Total						
Total Amount in words : Rupees..... only)						
Note: The Bidder, at the Bidder's own responsibility and risk, is encouraged to visit the Site of Works and obtain all information necessary for preparing the Bid. In case of discrepancy in the rates quoted in words and figures, the rates in words will be considered for evaluation.						
Signature of Bidder with Seal and Date						