SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY
THIRUVANANTHAPURAM—695 011, INDIA.
(An Institute of National Importance under Govt.of India)
Phone—(91)0471—2443152,2524444 Fax—(91)0471—2446433, 2550728
Email-sct@sctimst.ac.in Web site—www.sctimst.ac.in

No.DCE(G)304/01/2021 03.09.2021

TENDER NOTICE

(Annual Rate Contract for Minor Installation works)

Sealed quotations are invited from firms/individuals having appropriate Electrical inspectorate license, for carrying out electrical wiring and installation works on "rate contract" basis at this institute for a period of one year. Tender documents can be downloaded from the website.

The tender should be super scribed tender for "Annual Rate Contract for Minor Electrical Installation works" and addressed to the Director, Sree Chitra Tirunal Institute for Medical Sciences & Technology and shall be deposited in the tender box at ground floor AMC building, SCTIMST. Late tenders will not be accepted. Tenders will be opened at **3 pm on 16.10.2021** in the presence of such tenderers or their authorized representatives who may be present at that time.

The Tender Notice are posted in the web site of the Institute (www.sctimst.ac.in) for downloading by the prospective tenderers. Tender will be received only up to **1 pm on 16.10.2021**. All tenders should be accompanied by 'Bid Security Declaration' as per the format attached in the tender.

The Director reserves the right to accept or reject all or any tender at his/her sole discretion without assigning any reason.

Sd/-
DIRECTOR

To

Notice Board (AMC/Hospital/BMT Wing/Website)

Annual contract for ele: works-2021-22 tender conditions

1. The Institute shall mean, “Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum” in all correspondences.
2. The director shall mean the Director of the institute.
3. Tenderer shall mean the individual or organization who submits tender for the work/contract.
4. Contractor shall mean the individual or organization who has been awarded the work/contract.
5. DCE shall mean “division of clinical engineering” in all correspondences pertaining to the work.
6. All tenders should be accompanied by ‘Bid Security Declaration’ as per the format attached in the tender.
7. **RATES INCLUSIVE OF TAXES OF ALL KINDS SHOULD BE QUOTED (% above/ below)**. Rates should be inclusive of all statutory taxes, duties, freight (free delivery to the consignee's premises), deductions etc. No further claim will be paid during the period of contract.
8. Period of contract will be normally for one year from the date of an agreement between the institute and the contractor. The contract shall be extendable on yearly basis for a maximum period of two years depending upon the performance of the firm and compliance of terms & conditions stipulated in the tender document and mutually agreed upon. Prices during the currency of contract shall remain firm & fixed.
9. The scope of works under the contract covers the execution of electrical works in the hospital wing, quarter’s campus and the BMT wing at Poojapura. The scope of work includes but is not limited to the execution of works in the schedule of quantities on actual need basis. Works will be intimated to the contractor as and when the need arises.
10. The tenderer should have a minimum ‘B’ grade electrical contractor’s license issued by Kerala State Electrical Inspectorate with connected load of 100 kW or above. (The copy of the same shall be produced along with BID).
11. The tenderer should have documented experience (maintenance or installation works) of minimum 3 years in similar contract for an electrical installation of 500 kVA or above as prime contractor.
12. Filled schedule of items in sealed cover should be sent or handed over to Tendering Department of the institute before deadline of submission.
13. Tenders received at or before stipulated time and date will be opened at 3.00 pm on same day.
14. The successful tenderer should execute an agreement in prescribed format on RS.200/-stamp paper.

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15. The rates accepted shall be valid for entire operation period of contract and no upward revision request will be entertained in between.
16. Director reserves the right to reject any or all tender without explaining reasons.
17. The contractor can withdraw from the contract after 2 months from the date of intimation to that effect to the institute
18. The contractor shall be issued regular or confirmatory work orders for works desired or completed.
19. The contractor may submit bills in duplicate supported by tax related documents after completion of specified quantity of works.
20. **The institute is not bound to award the works to the contractor alone during the operation period of the contract.** Institute may at its discretion carry out works of similar nature by other agencies during the period of this contract.
21. The contractor is bound to do related works which are not in the schedule of items but are necessary for completion of a project.
22. Rates for extra works should be worked out based on market rates of materials plus labour and overheads. The rates shall be worked out based on same or similar items in the CPWD Analysis of Rates - Electrical 2018.
23. The contractor should be prepared to take up works immediately on intimation by any mode of communication from the institute. The maximum response time shall be 48 hours from the intimation of work. Penalty provision for delayed execution of work- penalty as decided by competent authority shall be levied for delay in executing work.
24. The work shall be carried out in the best workmanlike manner in conformity with this specification, the relevant specification/codes of practice of the Bureau of Indian Standards / Inspectorate standards. The contractor shall carry out the works as per the technical specifications laid down by the CPWD schedule of works. The scope of each line item shall be as per the respective item in the CPWD detailed specifications (General specification for electrical works). The contractor shall be well aware of the scope and relevant CPWD specifications prior to submission of bid.
25. Works shall be carried out in close co-ordination with connected departments of institute representatives causing minimum disturbance in patient care areas and functioning of hospital. Entry into any patient care area shall be after getting permission from the concerned institute representative. Works will be scheduled as per the functional requirement of institute; this can be, but not limited to, evenings, night shifts or holidays. The contractor shall be ready to do the work 24x7 as per the requirement of institute. It is to be understood that patient care activities and functioning of institute shall take precedence over all jobs and decision of institute regarding the scheduling of job shall be binding on the

contractor. No additional claim whatsoever with regard to the timing or scheduling of work will be admissible.

26. Materials being used at works should be produced for inspection if desired by engineers of DCE.
27. The contractor should have quick and easy communication facilities and such details should be sent along with quotation. The contractor shall designate a single point contact person for co-coordinating the works, immediately on the award of work.
28. Recommended makes of materials alone should be used and exception should only be with due permission of DCE. Invariably all material used shall confirm to the relevant IS standards.
29. Contractor should sign all the pages of tender and name, address phone no: etc should be written on last page.
30. Work permits should be obtained from DCE & countersigned by security officer to enter institute premises for work in advance.
31. Debris generated during work should be removed from institute campus & certificate to that effect from institute S.O should accompany the bills.
32. The contractor or his employees should have appropriate valid license issued by electrical inspectorate for doing minor electrical installation works. Contractor shall deploy adequate manpower for achieving the service conditions as per contract and as per the requirements of the institute. Manpower deployed shall have sound health, adequate experience as well as competency. The contractor shall ensure that the personnel deployed have been provided with all tools, tackles, Personal Protective equipment, safety training appropriate etc... Contractor shall immediately remove and replace any of their personnel, who in the opinion of institute, is incompetent, or negligent or of unacceptable behavior or whose employment is otherwise considered to be undesirable. Contractor shall be solely and fully responsible in all aspects for employees deployed at institute.
33. Statutory deductions at prevailing rates will be made from every bill submitted by the contractor. All statutory payments (present and future) if any including that admissible to the staff engaged by the contractor should be born by the contractor.
34. Institute will not be liable for any accident or damage to the employee of the contractor during course of work. The contractor will be responsible to cover his staff under insurance for personal accidents or death. Insurance if necessary as per prevailing rules of the Government should be arranged by the contractor at his cost in respect of any injury in the course and out of their work. The contractor or the workers engaged by him shall not claim any damages or compensation or reimbursement of any expenses which is incurred by them

either by compensation to the workers engaged/ deployed for the contract work in the Institute or otherwise. It is to be specifically understood that the Institute shall not have any employee- employer relationship between the person/s engaged /deployed by the contractor for fulfilling the obligations under the contract and that those persons are not employees of the Institute.

35. On completion of works, the contractor shall submit two sets of "As – Built" drawings, one set reproducible and one set in CAD version in compact disc to the Engineer-in-charge before the submission of the final bill. The drawings shall incorporate the correction suggested by the Engineer in DCE and as per the guidelines provided by the Engineer. The contractor shall also carry out marking (stenciling) the switch box name, circuit name, distribution box name, cable size and other required details as required on the distribution boards, panels and switch boxes. Labeling shall be done using two colour vinyl stickers. The layout, font size and colour shall be approved by engineer DCE. The charges for preparation of drawings and labeling shall be included in the rate quoted. 5% of invoice value shall be the withheld from the invoice bill payable to contractor if labeling and submission of drawing is not completed by contractor prior to submission of bill.
36. The contractor shall not sublet the work.
37. In case the Institute finds that the work done by contractor was of poor quality or the material issued was found to be of poor quality. Any defects in workmanship or deterioration in the quality or deviation from tender specifications coming to notice shall be rectified at site within 72 hours of the reporting of the same to the contractor. The institute will have the right to recover the amount from the contractor.
38. In the event of any damage to institute property/personnel due to the act of contractor, the responsibility of the service shall be solely with the contractor.
39. In case of a tie in the rate quoted, the institute shall inform the same to the eligible bidders. The institute has the right to invite bids offering further discount from the quoted rate in this tender from the eligible tenderers.
40. **The contractor should sign the terms and conditions indicating that the conditions have been read and are acceptable.**

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LIST OF APPROVED MAKES

Sl. No	Item	Make of Materials/Equipment
1	1.1 kV grade XLPE insulated PVC sheathed Al./ Cu. Cable	Torrent, Havells, Gloster, Finolex,KEI
2	MCCB, SFU	Siemens, Schneider, L&T, ABB, Legrand
3	660/1100 volt grade stranded unsheathed wire with copper conductor	Finolex, RR Kabel, Lapp Kabel, Polycab
4	PVC Conduit	Konseal,Balco,Precision,Clipsal
5	HT Joints and termination	3M, Raychem (Work to be done by certified cable jointer)
6	MCB, RCBO,RCCB	Legrand (DX³), Schnieder (Acti 9 xC60), ABB(S 200)
7	MCB Distribution Boards	Legrand, Schnieder (Acti 9),ABB

SECTION – XII

BID SECURITY DECLARATION
(*in company letter head*)

To

The DIRECTOR,
SCTIMST, Trivandrum,

Dear Madam/Sir,

1. I/We Mr./Ms ..... authorised person to sign the bid documents for tender for supply, Installation & Commissioning of do here by declare that I/We have gone through the entire tender documents including terms and condition mentioned in the tender documents and undertake to comply with them.

2. I/We further declare that we will not withdraw our bid or modify our offer during the period validity of the bid after the deadline for submission of such documents.

3. If I/We withdraw or modify the bids during the period of validity, or if I/We are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline as defined in the tender document PO, we will be suspended for a period of Three Years from the date of disqualification from being eligible to submit bids/proposals for contracts with SCTIMST, Trivandrum.

Signature of Authorised Official

(with seal of firm)

(Name of Bidder)

Place .....

Date.....

	DESCRIPTION	UOM	UNIT RATE
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, hylam sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable, including ceiling rose etc. as required. Make Anchor	Point	1612
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way piano type switch, hylam sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make Legrand Mylink	Point	1624
3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make Legrand Mylink	Point	1645
4	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make Legrand Mylink	Point	1749
5	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	282
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	311
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	357
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	483
9	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	578
10	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre	753
11	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC/Oval conduit, with piano type switch, hylam sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make: Anchor	Point	1310

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	DESCRIPTION	**UOM**	**UNIT RATE**
12	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC/Oval conduit, 2 way piano type switch, hylam sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required.	Point	1322
13	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC/Oval conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make Legrand Mylink	Point	1342
14	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC/Oval conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable including ceiling rose etc. as required. Make Legrand Mylink	Point	1433
15	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	198
16	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	226
17	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	271
18	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	338
19	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	445
20	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC/Oval conduit as required. 2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre	568
21	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 1 x 1.5 sq. mm	Metre	39
22	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 1 x 2.5 sq. mm	Metre	52
23	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 1 x 4 sq. mm	Metre	81
24	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 1 x 6 sq. mm	Metre	117

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	DESCRIPTION	**UOM**	**UNIT RATE**
25	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. 20 mm	Metre	198
26	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. 25 mm	Metre	224
27	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. 32 mm	Metre	275
28	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. 40 mm	Metre	396
29	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. 50 mm	Metre	499
30	Supplying and fixing of following sizes of medium class PVC/Oval conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 20 mm	Metre	114
31	Supplying and fixing of following sizes of medium class PVC/Oval conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm	Metre	122
32	Supplying and fixing of following sizes of medium class PVC/Oval conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 32 mm	Metre	125
33	Supplying and fixing of following sizes of medium class PVC/Oval conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 40 mm	Metre	176
34	Supplying and fixing of following sizes of medium class PVC/Oval conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 50 mm	Metre	214
35	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make: Anchor. 5/6 amps switch	Each	61
36	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make: Anchor. 2 way 5/6 A switch	Each	73
37	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make: Anchor. 15/16 A switch	Each	149
38	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make: Anchor. 3 pin 5/6 A socket outlet	Each	79
39	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. Make: Anchor. 6 pin 15/16 A socket outlet	Each	174
40	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Mylink. 5/6 A switch	Each	115

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	DESCRIPTION	**UOM**	**UNIT RATE**
41	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Mylink. 2 way 5/6 A switch	Each	167
42	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Mylink. 15/16 A switch	Each	179
43	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Mylink. 3 pin 5/6 A socket outlet	Each	151
44	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Mylink. 6 pin 15/16 A socket outlet	Each	237
45	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Myrius. 5/6 A switch	Each	115
46	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Myrius. 2 way 5/6 A switch	Each	167
47	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Myrius. 15/16 A switch	Each	179
48	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Myrius. 3 pin 5/6 A socket outlet	Each	151
49	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Make Legrand Myrius. 6 pin 15/16 A socket outlet	Each	237
50	Supplying and fixing suitable size GI box/surface PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. Make Legrand Mylink	Each	544
51	Supplying and fixing suitable size GI box/surface PVC box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. Make Legrand Mylink	Each	671
52	Supplying and fixing suitable size GI box/surface PVC with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. Make Legrand Myrius	Each	544
53	Supplying and fixing suitable size GI box/surface PVC with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. Make Legrand Myrius	Each	671
54	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including cover connections etc. as required.	Each	88
55	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections with multicore wire etc. as required.	Each	133
56	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	125
57	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	228

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	DESCRIPTION	**UOM**	**UNIT RATE**
58	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc., including supplying and fixing ball and socket arrangement, 2 Nos. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 30 cm length, painting and wiring the down rods and connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	485
59	Providing and fixing extra conduit down rod of 20 mm dia, 2 X 10 cm length, wiring with 2 X 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	Each	41
60	Installation, testing and commissioning of LED fittings with chain and copper wiring - Installation testing and commissioning of prewired fluorescent fittings of all types including LED complete with all accessories, lamps etc. on false ceiling including supplying and fixing of GI chain and hook arrangement, upto 60cm length, and wiring using 3 runs of 1.5 sqmm FR PVC insulated stranded copper conductor cable as required.	Each	339
61	P/F extra chain with copper wiring- Providing and fixing extra chain 2x10 cm length with using 3 runs of 1.5 sqmm FR PVC insulated stranded copper conductor including painting etc. as required. (more than 5 cm length shall be rounded to the nearest 10 cm. and 5cm or less shall be ignored)	Each	68
62	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	232
63	Supplying and fixing extra down rod of 15 cm length G.I. pipe, 15 mm dia, heavy gauge including painting etc. as required.	Each	45
64	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Upto 450 mm sweep	Each	492
65	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. 510 mm sweep	Each	709
66	installation of Fan hook of 8 mm m.s rod for ceiling fan,fabrication,supply & fixing on steel reinforcement of r.c.c roof including making good the damages.	Each	298
67	Painting of ceiling fan in installed position with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent etc. as required.	Each	183
68	Legrand Modular Blanking plate (mylink) 1 module supply & installation	Each	47
69	Legrand Modular Blanking plate (Myrius) 1 module supply & installation	Each	54
70	Supply and installation of 80x50mm DLP-UPVC cable management trunking system with front cover, end cap,seperation partition including all acessories as required complete legrand make	Meter	1153
71	Supply and installation of 105x50mm DLP-UPVC cable management trunking system with front cover, end cap,seperation partition including all acessories as required complete legrand make	Meter	1729
72	Supply and installation of 180x50mm DLP-UPVC cable management trunking system with front cover, end cap,seperation partition including all acessories complete legrand make	Meter	2508
73	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 100 A, 16 KA,TPMCCB	Each	5052

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	DESCRIPTION	**UOM**	**UNIT RATE**
74	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 125 A, 16 KA,TPMCCB	Each	5620
75	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 160 A, 16 KA,TPMCCB	Each	6356
76	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 100 A, 16 KA,FPMCCB	Each	10002
77	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 125 A, 16 KA,FPMCCB	Each	10175
78	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board/DB including drilling holes in cubicle panel, spreader making connections, etc. as required. 160 A, 16 KA,FPMCCB	Each	20541
79	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 2+4 way, Single door	Each	1491
80	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 6 way , Double door	Each	2252
81	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way , Double door	Each	2386
82	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 12 way , Double door	Each	2784
83	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 4 way (4 + 12), Double door	Each	4160
84	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 6 way (4 + 18), Double door	Each	5007

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	DESCRIPTION	**UOM**	**UNIT RATE**
85	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 8 way (4 + 24), Double door	Each	6238
86	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.). 4 way (4 + 12), Double door	Each	7662
87	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 8 way (4 + 24), Double door	Each	10500
88	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.). 12 way (4 + 36), Double door	Each	13326
89	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.). 4 way (4 + 12), Double door	Each	13830
90	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 8 way (4 + 24), Double door	Each	16949
91	Installation of distribution baords along with necessar interconnections both recessed and surface. DB will be supplied. single pole and neutral, sheet steel, MCB distribution board (All types)	Each	746
92	Installation of distribution baords along with necessar interconnections both recessed and surface. DB will be supplied. horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ rece	Each	1153
93	Installation of distribution baords along with necessar interconnections both recessed and surface. DB will be supplied .Vertical type, 415 V, TPN MCB distribution board of sheet steel	Each	1288
94	Installation of distribution baords along with necessar interconnections both recessed and surface. DB will be supplied. Vertical type, 415 V, TPN MCCB Incomer distribution board of sheet steel	Each	1491

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	DESCRIPTION	**UOM**	**UNIT RATE**
95	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	Each	270
96	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole and neutral	Each	738
97	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Double pole	Each	754
98	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole	Each	1120
99	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Triple pole and neutral	Each	1481
100	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	11
101	Supplying and fixing following rating, double pole, 240 V,isolator in the existing MCB DB complete with connections,testing and commissioning etc. as required. 40A	Each	460
102	Supplying and fixing following rating, double pole, 240 V,isolator in the existing MCB DB complete with connections,testing and commissioning etc. as required. 63A	Each	522
103	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40A	Each	1128
104	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63A	Each	1138
105	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 100A	Each	1420
106	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 A	Each	3561
107	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 A	Each	3765
108	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 A	Each	4339
109	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 A	Each	4881

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	DESCRIPTION	**UOM**	**UNIT RATE**
110	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 A	Each	4610
111	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 A	Each	5085
112	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	1150
113	Supplying and fixing TP/FP sheet steel enclosure on surface/ recess along with 16/25/32 /63 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	Each	1554
114	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	1670
115	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. with charcoal/ coke and salt as required.	Each	7197
116	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	8428
117	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	15991
118	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level in pipe or bare for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Metre	60
119	Supplying and laying 25 mm X 6 mm copper strip at 0.50 metre below ground pipe or bare as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required.(Jointing shall be done by overlapping and with 2 sets of brassnut bolt & spring washer spaced at 50mm)	Metre	1157
120	Supplying and laying 25 mm X 6 mm G.I strip at 0.50 metre below ground pipe or bare as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	178
121	Providing and fixing 25 mm X 6 mm copper strip on surface or in recess for connections etc. as required.	Metre	1368
122	Providing and fixing 25 mm X 6 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	279
123	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Metre	77
124	Providing and fixing 10SWG dia bare copper wire on surface or in recess for loop earthing as required.	Metre	136
125	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	50
126	Providing and fixing 25 mm X 3 mm copper strip on surface or in recess for connections etc. as required.	Metre	759

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	DESCRIPTION	**UOM**	**UNIT RATE**
127	Supplying and laying 25 mm X 3 mm copper strip at 0.50 metre below ground pipe or bare as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required.(Jointing shall be done by overlapping and with 2 sets of brassnut bolt & spring washer spaced at 50mm)	Metre	908
128	Providing and fixing 12 SWG dia bare copper wire on surface or in recess for loop earthing as required.	Metre	115
129	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 400 Sq.mm Al	Metre	1860
130	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 300 Sq.mm Al	Metre	1688
131	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 300 Sq.mm Al	Metre	1467
132	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 240 Sq.mm Al	Metre	1329
133	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 240 Sq.mm Al	Metre	1221
134	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 185 Sq.mm Al	Metre	949
135	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 150 Sq.mm Al	Metre	758
136	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 120 Sq.mm Al	Metre	640
137	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 95 Sq.mm Al	Metre	512
138	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 70 Sq.mm Al	Metre	413
139	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 50 Sq.mm Al	Metre	305
140	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 35 Sq.mm Al	Metre	236
141	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3.5C 25 Sq.mm Al	Metre	188
142	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 25 Sq.mm Al	Metre	202
143	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 16 Sq.mm Al	Metre	153
144	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 10 Sq.mm Al	Metre	118

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	DESCRIPTION	**UOM**	**UNIT RATE**
145	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3C 25 Sq.mm Al	Metre	166
146	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3C 16 Sq.mm Al	Metre	128
147	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 3C 10 Sq.mm Al	Metre	121
148	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 2C 6Sq.mm Cu	Metre	185
149	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 2C 4Sq.mm Cu	Metre	138
150	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 2C 10 Sq.mm Cu	Metre	281
151	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 35 Sq.mm Cu	Metre	1625
152	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 25 Sq.mm Cu	Metre	1179
153	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 16 Sq.mm Cu	Metre	713
154	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 10 Sq.mm Cu	Metre	494
155	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 6 Sq.mm Cu	Metre	317
156	Supply of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium /copper conductor cable conforming to IS 7098 (Part 1) amended upto date. 4C 4 Sq.mm Cu	Metre	226
157	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 400 Sq.mm Al	Each	1639
158	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 300 Sq.mm Al	Each	1523
159	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 300 Sq.mm Al	Each	1269
160	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 240 Sq.mm Al	Each	1316

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	DESCRIPTION	UOM	UNIT RATE
161	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 240 Sq.mm Al	Each	1097
162	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 185 Sq.mm Al	Each	952
163	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 150 Sq.mm Al	Each	753
164	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 120 Sq.mm Al	Each	663
165	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 95 Sq.mm Al	Each	641
166	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 70 Sq.mm Al	Each	499
167	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 50 Sq.mm Al	Each	446
168	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 35 Sq.mm Al	Each	407
169	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3.5C 25 Sq.mm Al	Each	339
170	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 25 Sq.mm Al	Each	339
171	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 16 Sq.mm Al	Each	339
172	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 10 Sq.mm Al	Each	297
173	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3C 25 Sq.mm Al	Each	301
174	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3C 16 Sq.mm Al	Each	301
175	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3C 10 Sq.mm Al	Each	286
176	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.2C 6Sq.mm Cu	Each	268
177	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.2C 4Sq.mm Cu	Each	268
178	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.2C 10Sq.mm Cu	Each	268

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	DESCRIPTION	**UOM**	**UNIT RATE**
179	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 35 Sq.mm Cu	Each	280
180	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 25 Sq.mm Cu	Each	260
181	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 16 Sq.mm Cu	Each	250
182	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 10 Sq.mm Cu	Each	240
183	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 6 Sq.mm Cu	Each	220
184	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4C 4 Sq.mm Cu	Each	200
185	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Upto 35 sq. mm	Metre	438
186	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering with pipe/brick and refilling the trench etc as required as per technical specification.Above 35 sq. mm and upto 95 sq. mm	Metre	458
187	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Above 95 Sq.mm upto 185 Sq.mm	Metre	477
188	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Above 185 Sq.mm upto 400Sq.mm	Metre	537
189	Laying of one number additional PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Upto 35 sq. mm	Metre	301
190	Laying of one number additional PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Above 35 Sq.mm upto 95 Sq.mm	Metre	320
191	Laying of one number additional PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Above 95 Sq.mm upto 185 Sq.mm	Metre	340
192	Laying of one number additional PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required as per technical specification.Above 185 Sq.mm upto 400 Sq.mm	Metre	399

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	DESCRIPTION	**UOM**	**UNIT RATE**
193	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required as per technical specification.Upto 35 sq. mm	Metre	42
194	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required as per technical specification.Above 35 Sq.mm upto 95 Sq.mm	Metre	64
195	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required as per technical specification.Above 95 Sq.mm upto 185 Sq.mm	Metre	87
196	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required as per technical specification.Above 185 Sq.mm upto 400Sq.mm	Metre	152
197	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing masonry open duct as required as per technical specification.Upto 35 sq.mm	Metre	31
198	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing masonry open duct as required as per technical specification.Above 35 Sq.mm upto 95 Sq.mm	Metre	52
199	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing masonry open duct as required as per technical specification.Above 95 Sq.mm upto 185 Sq.mm	Metre	71
200	Laying of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size in the existing masonry open duct as required as per technical specification.Above185 Sq.mm upto 400 Sq.mm	Metre	130
201	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on wall surface as required as per technical specification.Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	53
202	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on wall surface as required as per technical specification.Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	141
203	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on wall surface as required as per technical specification.Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	165
204	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on wall surface as required as per technical specification.Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	247
205	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on cable tray as required as per technical specification.Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	45
206	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on cable tray as required as per technical specification.Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	100
207	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on cable tray as required as per technical specification.Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	126

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	DESCRIPTION	**UOM**	**UNIT RATE**
208	Laying and fixing of one number PVC/XLPE insulated and PVC sheathed power/control cable of 1.1 KV grade of following size on cable tray as required as per technical specification.Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	203
209	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	Each	719
210	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Each	519
211	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required.40 mm	Metre	705
212	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required.50 mm	Metre	814
213	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required. 80mm	Metre	1044
214	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required. 100mm	Metre	1220
215	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required. 150mm	Metre	1695
216	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required : 240 sq. mm	Each	15838
217	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required : 300 sq. mm	Each	15838
218	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required : 240 sq. mm	Each	23275
219	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required : 300 sq. mm	Each	23275
220	Supply, fabricating and installing MS items such as Tees/ angles/ channels, cable trays etc. on floor/ ceiling/ wall including necessary civil work such as grouting, finishing etc. and painting with two coats of primer and two coats of synthetic enamel paint as required	kg	149
221	Basic rate of labour charges for wire man	Day	1017
222	Basic rate of labour charges for Fitter	Day	1017
223	Basic rate of labour charges for Mason	Day	949
224	Basic rate of labour charges for helper	Day	881
225	Basic rate of labour charges for Painter	Day	881
226	Basic rate of labour charges for Excavator	Day	949
227	Telephone cable wiring in existing 20 mm/25 mm PVC surface conduit pipe ISI marked along with supplying and drawing 1 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmoured telephone cable.	Metre	79

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	DESCRIPTION	UOM	UNIT RATE
228	Telephone cable wiring in existing 20 mm/25 mm PVC Oval conduit pipe ISI marked along with supplying and drawing 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmoured telephone cable.	Metre	84
229	Telephone cable wiring in existing 20 mm/25 mm PVC Casing and capping pipe ISI marked along with supplying and drawing 5 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmoured telephone cable.	Metre	100
230	Telephone cable wiring in existing 20 mm/25 mm PVC Casing and capping pipe ISI marked along with supplying and drawing 10 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmoured telephone cable.	Metre	116
231	Telephone cable wiring in existing 20 mm/25 mm PVC Casing and capping pipe ISI marked along with supplying and drawing 20 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmoured telephone cable.	Metre	158
232	Supply and fixing of 25mm PVC Oval conduit pipe ISI marked along with accessories like elbow, bend, tee, coupling etc with supports like saddles, screws, fisher plugs etc	Metre	79
233	Supply and fixing of 20mm PVC Casing and caping conduit pipe ISI marked along with accessories like elbow, bend, tee, coupling etc with supports like saddles, screws, fisher plugs etc including labour charges	Metre	89
234	Supply and fixing of 25mm PVC Casing and caping conduit pipe ISI marked along with accessories like elbow, bend, tee, coupling etc with supports like saddles, screws fisher plugs etc	Metre	68
235	Concealed Telephone Wiring: Wiring and laying of telphone cables in 20mm PVC conduit pipe ISI marked including civil works and labor charges.	Metre	131
236	Supply, laying, fixing and testing of 10 pair 0.51mm diameter annealed copper conductor of armoured PVC insulated and jelly filled telephone wires telephone cable through 3 Feet trench including civil works.	Metre	315
237	Supply, laying, fixing and testing of 20 pair 0.51mm diameter annealed copper conductor of armoured PVC insulated and jelly filled telephone wires telephone cable through 3 Feet trench including civil works.	Metre	420
238	Supply, laying, fixing and testing of 50 pair 0.51mm diameter annealed copper conductor of armoured PVC insulated and jelly filled telephone wires telephone cable through 3 Feet trench including civil works.	Metre	525
239	Supply, laying, fixing and testing of 100 pair 0.51mm diameter annealed copper conductor of armoured PVC insulated and jelly filled telephone wires telephone cable through 3 Feet trench including civil works.	Metre	630
240	Supply and fixing of 10 Pair metal telephone distribution Box with krone modules.	Each	525
241	Supply and fixing of 20 Pair metal telephone distribution Box with krone modules.	Each	840
242	Supply and fixing of 50 Pair metal telephone distribution Box with krone modules.	Each	1575
243	Supply and fixing of 100 Pair metal telephone distribution Box with krone modules.	Each	2100
244	Supply of 0.5mm 10 pair metal telephone distribution box with krone modules.	Each	315
245	Supply of 20 pair metal telephone distribution box with krone modules.	Each	840
246	Supply of 50 pair metal telephone distribution box with krone modules.	Each	1575
247	Supply of 100 pair metal telephone distribution box with krone modules.	Each	2100
248	Supply of Telephone Socket outlet piano type with 1/2 RJ 11 connector.	Each	32
249	Supply of Telephone Socket outlet modular type with 1/2 RJ 11 connector.	Each	42
250	Supply and fixing of Legrand modular white metal cover plates with frame 1 module (Mylinc).	Each	53
251	Supply and fixing of Legrand modular white metal cover plates with frame 2 module (Mylinc).	Each	79
252	Supply and fixing of legrand modular socket with RJ 11- 1 port complete as required.	Each	37

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	DESCRIPTION	**UOM**	**UNIT RATE**
253	Supply and fixing of legrand modular socket with RJ 11- 2 port complete as required	Each	47
	Quoted Rate (% above or below)		
	The bidder shall write the % of rate above or below the rates indicated in the schedule in the above space.		
	Name of the firm: -		
	Address of the firm: -		
	Signature with stamp of the bidder		

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