

INDIAN INSTITUTE OF TROPICAL METEOROLOGY, Dr. Homi
Bhabha Road, Pashan, PUNE - 411 008

Tender Notice No.: IITM/CE/works/SAFAR/LT/18-19/04

**NAME OF WORK : EXPANSION OF SAFAR MASTER CONTROL
ROOM FOR IITM, PUNE-8.**

(Techno-commercial Bid)



INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE-411 008

Tender Notice No.: IITM/CE/works/SAFAR/LT/18-19/04

Sealed item rate tenders are invited from the experienced Contractors registered with PWD, CPWD, MES and industrial contractor for carrying out the following work at Indian Institute of Tropical Meteorology, Pune-8.

Sr.No.	Name of Work	Estimated Cost	Completion Period
1.	Expansion of SAFAR master control room for IITM, Pune-8.	₹ 4,95,342.56	45 days.

Date of issue of Tender documents	29/03/2019
Date of Pre bid site visit	03/04/2019 (11:00 Hrs)
Last date of submission of Tender	08/04/2019 (12:30 Hrs)
Opening of Tenders	08/04/2019 (15:00 Hrs.)

[Note: Vendor may visit the site before quoting their rates.]

E.M.D: ₹10,000=00 (Rs. Ten thousand only) DD/ Bank guarantee from any Nationalized/Scheduled bank drawn in favor of Director, IITM Pune. EMD of unsuccessful bidders will be released on award of the work to successful contractor.

Following documents are to be submitted along with techno-commercial bid:

- 1) Company profile & firm registration.
- 2) Copy of Permanent Account Number (PAN) and GST registration no.
- 3) Bank details: RTGS Details

Other terms and Condition:

- 1) This tender is not transferable.
- 2) Tenders received through Fax / E-mail / Telegraphic / Telex will not be considered.
- 3) The tenders must be clearly written or typed without any cancellations / corrections or overwriting.
- 4) Unsigned Tenders will also be rejected.
- 5) Part and incomplete tenders are liable to be rejected.
- 6) Tenders addressed to The Director, Indian Institute of Tropical Meteorology, Pune-411008 are to be submitted super scribed with Tender No. IITM/CE/works/SAFAR/LT/18-19/04 for Expansion of SAFAR master control room for IITM, Pune-8.
- 7) IITM will not be responsible:
 - a) For delayed / late quotations submitted / sent by Post / Courier etc.
 - b) For submission / delivery of quotations at wrong places other than the Office of



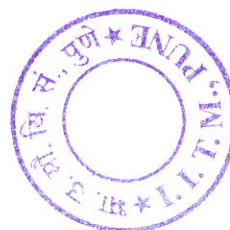
Director, IITM, Pune-8,

- 8) Contractor shall inspect the site before quoting their rates.
- 9) The rate shall be quoted inclusive of all taxes (GST, labour cess, service tax) duties, octroi etc. complete.
- 10) Delivery Period: As time is the essence of the contract, period of completion work **45 days** (forty five days) mentioned in the work Order should be strictly adhered to.
- 11) **PAYMENT Terms:**
 - a) No advance will be paid.
 - b) Maximum two bill may raised i.e. One running bill and on completion of entire work final bill to be claimed.
 - c) 95% payment will be made on completion of work & handing over of clear site to the Institute and Balance 5% will be released on completion of 12 months defect liability period from handing over the clear site to the Institute.
 - d) No any price escalation will be granted.
- 12) The prices quoted should be firm and irrevocable and not subject to any change whatsoever, even due to increase in cost of raw material components and fluctuation in the foreign exchange rates and excise duty.
- 13) IITM will not provide any accommodation/transportation for the Engineers/Representatives.
- 14) **DEFECT LIABILITY PERIOD:** Defect liability period of the work will be 12 months from the date of actual completion of work and on handing over the clear site to IITM Pune.
- 15) No sub-contracting is allowed for installation or maintaining system/equipment/instrument during or after warranty period.
- 16) Discount if any offered should be mentioned clearly in the commercial bid only.
- 17) **PENALTY CLAUSE:**

If the work is not completed by scheduled time or if you leave work in half complete stage, the liquidated damages will be charged or deducted 1.0% per week of the work order cost and the maximum to 10% value of work order.
- 18) **EXTRA ITEM:**

The rate for Extra Item shall be worked out in accordance with the following rules:

 - a) The rates for the extra items shall be derived from the rate of an appropriate item of similar class for which the rate already has been accepted, where same can be directly derived.
 - b) The contractor shall bound to carry out any extra items of work as per site requirement with prior approval of the Institute's authority. The rate for extra items shall be derived from the rate already quoted. Where the items are not specified in the BOQ the rate shall be worked out at cost of material +labour cost+ taxes +10% over heads, wastage, transportation & profit.
- 19) **DEVIATION:** Additional work/any deviation beyond work order quantities requires prior approval of the IITM authorities before execution of such work. The permissible overall deviation from the work order value is 10% and such deviation should not be executed at site without prior approval of Institute's authority.
- 20) Bid security may be forfeited if



a) Bidder withdraws or amends or modifies or impairs or derogates its bid during the period of bid validity period specified by the bidder on the bid form

b) In case of successful bidder, if bidder fails to furnish the order acceptance within 15 days of the order.

21) Corrupt or Fraudulent Practices.

A) IITM requires that the bidders/contractors under this tender observe the highest standards of ethics during the procurement and execution of such contracts. In pursuance of this policy, IITM:

i) Defines for the purposes of this provision, the terms set forth as follows:

a) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of the public official in the procurement process or in contract execution; and

b) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or a execution of a contract to the detriment of IITM, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive IITM of the benefits of the free and open competition;

ii) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

B) IITM will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

22) Conditional Offers will not be considered.

23) Water for the work will be supplied at one point for execution of work. If there is scarcity of water then contractor have to arrange the water from outside with storage facility.

24) The Electricity for the execution of the work will be provided on chargeable basis. Sub meter and required cable to be arranged by successful bidder.

25) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Pune, India only.

26) The Director, Indian Institute of Tropical Meteorology, Pune 411 008, India reserves the right to accept any tender in full or in part or to reject the lowest or any or all tenders without assigning any reason.

27) The Director, Indian Institute of Tropical Meteorology, Pune will be the final authority to decide the appropriate action and it will be binding on the Vendor.

For Director
Email: civil@tropmet.res.in



COMERCIAL- BID

NOTE: 1) Contractor shall inspect the site before quoting their rates.

2) The rate shall be quoted inclusive of all taxes, duties, octroi etc. complete



BoQ for expansion of SAFAR master control room at IITM, Pune.

Sr. no.	Description	Qty	Unit	Basic Rate ₹	CGST ₹	SGST ₹	Total Rate ₹	Amount ₹
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material beyond PMC limit as per direction of Engineer-in-charge. In cement mortar	4.5	cum					
2	Removing of existing carpet appr. area 34 sq.m. including stacking of serviceable material and disposal of unserviceable material beyond PMC limit as per direction of Engineer-in-charge.	1	Job					
3	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement matching to existing surface. 20 mm cement plaster	3.2	sq.m.					
4	Providing and fixing false ceiling to match with existing false ceiling at all heights with intergral densified calcium silicate reinforced with fibre and natural filler false ceiling with 15mm thick tegular edged light weight calcium silicate false ceiling tiles having size 595 x 595 mm of approved texture, design and pattern having NRC (noise reduction coefficient) og 0.50 (minimum) as per IS 8225 : 1987, light reflectance of 85% minimum. Non combustible as per BS : 476 (part IV), fire performance as per BS : 476 (part 6 & 7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518 : 1991, in true horizontal level suspended on interlocking metal T grid og hot dipped galvanised iron section of 0.33 mm thick (galvanised @ 120 grams per sqm including both sides) comprising of main T runners of size 24 x 38 mm of length 3000 mm, cross T of size 24 x 32 mm of length 1200 mm and secondary intermediate cross T of size 24 x 32 mm of length 600mm to form a grid module of 600 x 600mm, suspended from ceiling using galvanised steel items (galvanising at 80 grams per sqm) i.e. 50 mm long, 8mm outer diameter M-6 dash fastners, 6 mm dia fully threaded hanger rod up to 1000 mm length and L shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm c/c and 40mm long dry wall SS screw. The work shall be carried out as per specification and engineer in charge. [Make: Armstrong or equivalent]	19	sq.m.					



5	<p>Providing and applying one coat of primer and two or more coat of luster paint to match with existing painted surface in decorative manner over plastered surface of internal walls for internal painting, including scrapping with sand papering of existing oil bound distemper and preparing the surface smooth including necessary repairs to scratches, cracks with birla white putty and POP etc. complete Cleaning the splashses on floors, walls, doors, windows, glass panes, grills etc. curing where required, providing scaffolding, ladders, ropes protecting till handing over, all as directed by Engineer-in-charge. [Make : Asian / Burger / Nerolac / Dulux]</p> <p>[Note : Rate shall include I. use of all scaffolding, trestles, ladders, cradles etc. necessary for execution of work and protective measures. ii. Removing of nails, making good holes, cracks etc. iii. Work in patches and in narrow widths, bands, cornices, plaster etc. and cutting in edges to line where necessary. iv. Spreading and removing covering to doors, windows, floors, fittings etc. to protect them from splashes. v. Removing & replacing furniture movable cupboards, chicks, blinds etc. vi. Washing floor, cleaning glass, joinery, electric fittings, wiring, etc. of drops and splashes and leaving premise, clean and tidy.]</p>	70	sqm								
6	<p>Making opening of size 1.45m X 2.25m appr. in existing half brick thick wall for fixing new door with frame having approximate size 1.35m X 2.11m by removing of existing door having size 1.03m x 2.14m with frame and shifting of electric board suitably manually/mechanical means including necessary civil work viz. making jams, lintel in plastering, precast R.C.C lintel, rebarring etc. and disposing of serviceable material within Office campus and unserviceable material out of office premises. All as directed by Engineer-in-Charge.</p>	1	Job								



7	Providing and fixing double leaf door partly panelled and partly glazed with frame having opening of size 1.35m X 2.11m as similar to existing adjacent door including necessary fittings and fixtures complete in all respect with melamine polish all as directed by Engineer-in-Charge. [Note: Photo attached for reference.]	1	Job					
8	Removing of existing SS railing with glass fitting having size (5.5m x 1.07m) and refixing it on back side after completion of raised flooring and carpet work and re-jointing if require all as directed by engineer in charge.	1	Job					
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	0.5	cum					
10	Providing and fixing approved shade of medium quality washable designer wall paper of standard make including preparation of surface with all necessary arrangement as directed by engineer- in-charge.	200	sq.ft.					
11	Providing and fixing wooden marine ply wood of 18mm thick to be fixed vertically in grids of (0.60m x 0.60m), in steps and horizontally as base top for raised floor and similar work including necessary hardware and fittings etc. all as per direction of engineer-in-charge.	600	sq.ft.					
12	Providing and fixing for closing windows with frame in marine ply wood of 18mm thick for frame and 12mm thick from back side and laminate from all sides to frame and shutter with all necessary fittings as per direction of Engineer-in-charge.	45	sq.ft.					
13	Supplying and fixing nylon fiber wooven floor tiles carpet with approved adhesiver as per manufacturer instruction of approx. size 2 ft x 2 ft approx to match with existing or as approved by Engineer-in-charge.	380	sq.ft.					



14	Engineered wooden flooring: Providing and fixing 13 mm thick engineered wood interlocked planks as per approved sample. Rate shall including surface preparation and fixing engineered wooden flooring with 2mm thick foam sheet at bottom of planks as per manufacturer's instruction and standard practices.	28	sq.m.					
15	Providing and fixing wooden profile lipping patti/angle polish/match with approved sample of engineered wooden floor and to be fixed with metal screw & raulplug on nosing of steps etc. for wooden/carpet flooring all as directed by Engineer-in-charge.	21	rmt					
16	Supply and fixing 50x150mm aluminium raceways including appropriate size junction boxes & cover plate etc. in raised concrete floor including chase cutting to concrete floor and necessary repairs and civil works complete in all respect as directed by Engineer-in-charge.	10	m					
17	Work station table							
17.1	Work station table of size (3m x 0.61m) with provision to keep 04 nos. Computer monitor, and to match aesthetically with existing work station built in 18 mm thick commercial ply vertically and double ply horizontally for table top. Side of table is fixed in half circular molding with polish having size 1.5" x 1.5". Table is provided with both side laminates similar to existing table. Drawers 04 no. are to be provided for each person in 18mm thick front face and 12mm thick rest sides and bottom. Front side is finished with laminate both sides. All as directed by engineer in charge. [Note : 1.Vendor shall visit the site to see the existing sample and quote accordingly.2. Electrical and data points including necessary switches, sockets, conduits and wiring to be provided for work stations table and payment for the same will made separately under BOQ item 17.2 and data points BOQ items B-1, B-2.]	1	No.					



17.2	Electrical point wiring : 5 amp 2 no. (2 UPS)switch and sockets for each work station with necessary wiring and connection from nearest sources all as directed by Engineering-in-Charge.	4	No.					
18	Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.	1	sq.m.					
19	15 mm cement plaster on rough side of single or full brick wall finished with a floating coat of neat cement of mix :1:3 (1 cement : 3 fine sand)	1	sq.m.					
B	Data points							
1	Supply, laying, termination of CAT-6 E UTP cable 4 pair (Dlink/ Finolex/ Polycab or equivalent) in existing wall/cable	750	m					
2	Supplying and fixing CAT6 IO, Face Plate, Wall Box Combo	10	No.					
C	Electric work							
1	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)							
1.1	8 way , Double door	1	No.					
1.2	12 way , Double door	1	No.					
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface medium class PVC casing caping/conduit as required.							
2.1	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	16	Mtr.					
2.2	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	18	Mtr.					
2.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	50	Mtr.					
2.4	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	10	Mtr.					



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 multistrand cable in surface / recessed medium class PVC casing capping/conduit, with modular switch, modular plate, suitable Modular box and earthing the point with 1.5 sq.mm FRLS modular insulated copper conductor single core cable etc. as required.	4	Point					
4	Supplying and fixing following 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.							
4.1	63A DP	1	No.					
4.2	32A DP	1	No.					
4.3	16A SP	12	Nos.					
4.4	6A SP	2	Nos.					
5	Supplying and fixing following modular switch/socket/ regulator/ blanking plate on the existing modular plate & switch box including connections but excluding modular plate etc. as required.							
5.1	5/6 A switch	6	Nos.					
5.2	15/16 A switch	4	Nos.					
5.3	3 pin 5/6 A socket outlet	6	Nos.					
5.4	6 pin 5/15 A socket outlet	4	Nos.					
6	Supplying and fixing following size/ modules, modular modular box along with modular base & cover plate for modular switches & socket on surface etc.as required.							
6.1	8 Module (125mmX125mm)	5	Nos.					
6.2	ISI make AC enclosure box with industrial top & socket & 16A SP MCB	2	Nos.					

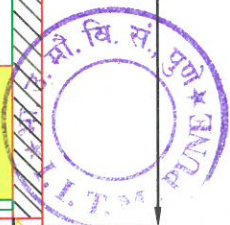
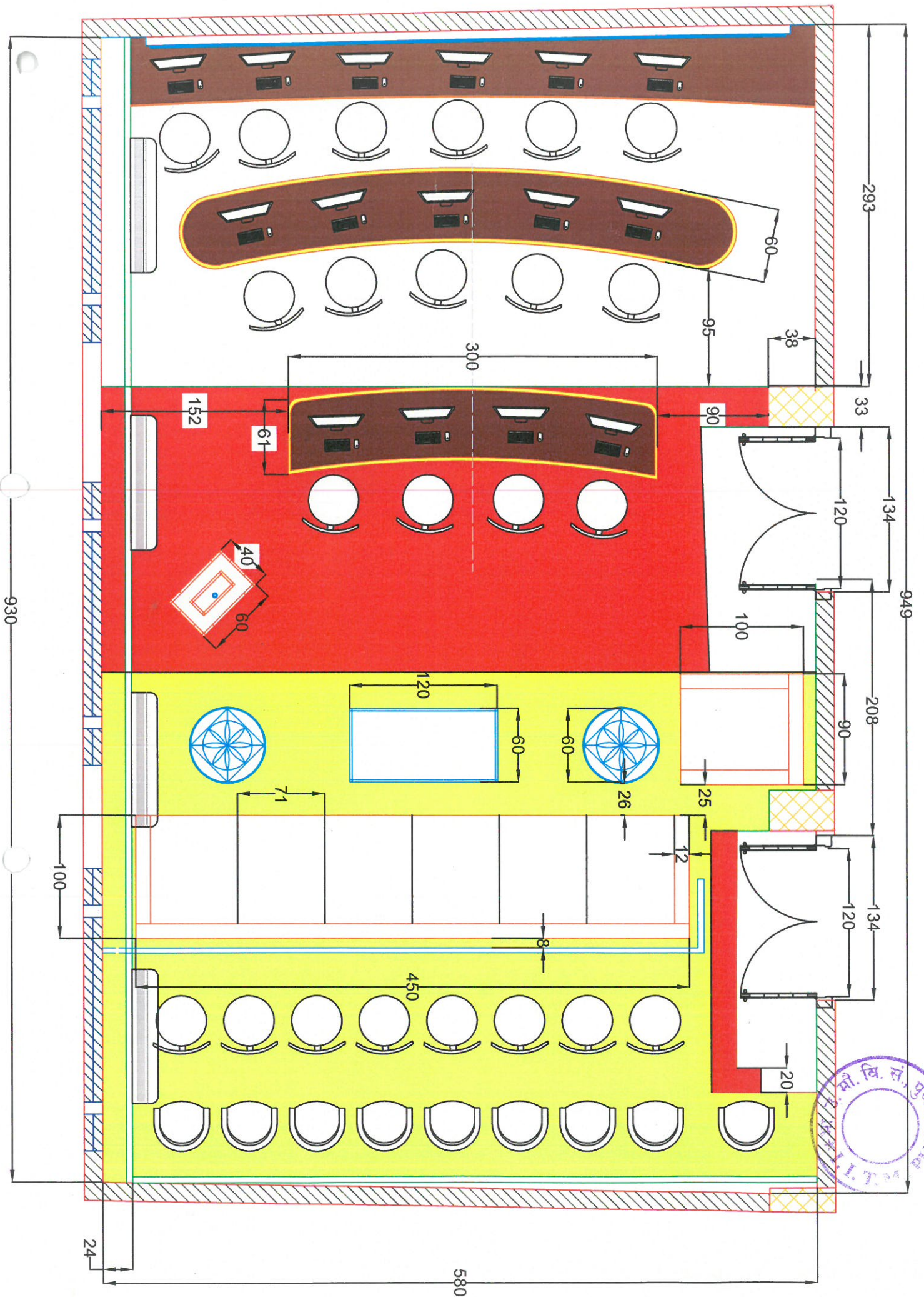


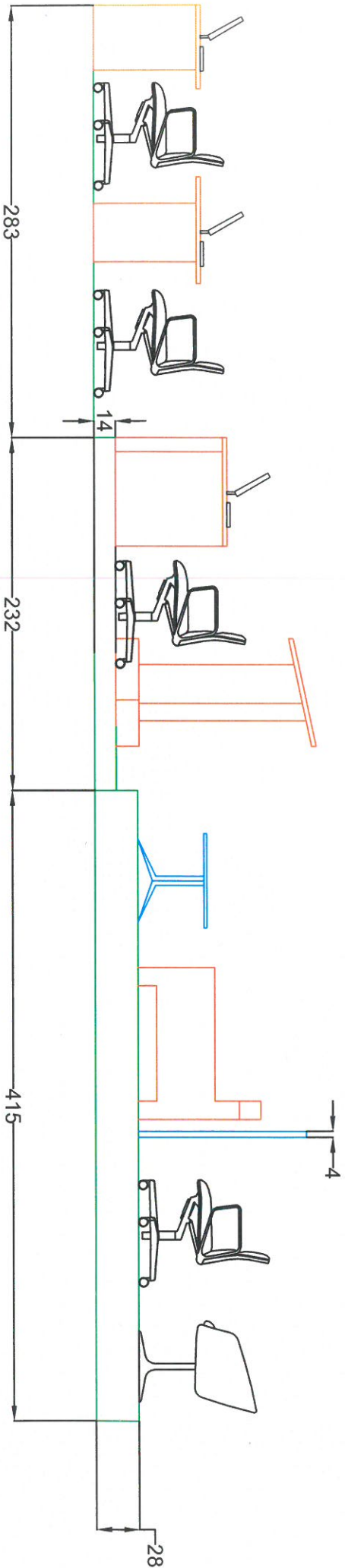
7	Supply and fixing of Light fittings in 2feetx2feet false ceiling sheet with capacity 2x36W 4 pin PL 230V 2x2 ft and fitting should be similar to existing fitting . Fitting should be approved by Incharge electrical before installation. Note- Two light fittings should be on one switch.	6	Nos.					
								Total =

Make List for SAFAR lab Electrical Work

Brief Description of Equipment / Material	Makes
MCB	Legrand/Schneider/Siemens/Havel/L&T-Hagers
Modular Plug & Socket (5Amp, 5/15 Amp)	Legrand /Schneider/Crabtree/L&T/Siemens anchor Roma
36 watt light fittings	Cromption/ Bajaj/ wipro/equivalent
Cu Multistrand Wires	Polycab/Finolex
PVC Conduits/Casing Caping	Modi/Diamond/Precision/Circle Arc/sandeep
Metal enclosure box & DB	Legrand /Schneider/L&T/Siemens/anchor Roma
modulator plate & box, AC Box	Legrand /Schneider/L&T/Siemens/anchor Roma







ALL DIMENSION ARE IN CM

SAFAR CONTROL ROOM

