

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY  
PASHAN, PUNE-411 008**

**Tender No. CE/Tendr/01/2011**

**TENDER NOTICE**

Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, Pashan, Pune-411 008 (India) invites sealed tenders (Part-I – Technical Bid, Part-II – Commercial Bid) in separate sealed covers from reputed and government registered with CPWD, PWD, MES, Railways and other government organizations Contractors for renovation of 3 Blocks of type – III residential quarters.

Estimated cost of Rs. 85, 00,000/- (Rs. Eighty five lakhs)

Cost of Tender Fee Rs. 1000/-

Tender documents with BOQ can be obtained from Office of Civil Engineer IITM, Pune.

Date of issue of tender documents : **22.06.2011 to 13.07.2011 1200hrs**

Last date of receipt of Tender at IITM, Pune : **13.07.2011 at 1200 hrs**

Opening of Tenders (Technical Bids only) : **13.07.2011 at 1500 hrs**

The Institute reserves the right to reject any or all tenders without assigning any reasons thereof.  
For further details please visit our Website: [www.tropmet.res.in](http://www.tropmet.res.in)

Civil Engineer

INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE 411 008

TERMS & CONDITIONS

ENQUIRY NO: CE/Reno/2011/  
Tender No. CE/Tender/2011/1

Sealed item rate tenders are invited from the Contractors registered in the approved list of PWD, MES, CPWD, Railways and P&T in appropriate class for carrying out the following work at Indian Institute of Tropical Meteorology, Pune-8

S. No.	Name of work	Estimated cost	Earnest money	Time for completion
1.	Renovation of type – III Quarters three blocks 1 block consisting of 4 quarters	Rs.85, 00,000/-	Rs.1, 70, 000/-	6 Months including monsoon

- 1) Contractors shall produce banker's solvency certificate or revenue solvency certificate for value of Rs. Fifty lakhs obtained not earlier than three months from last date.
- 2) On production of definite proof of valid contractor license / enlistment certificate with the CPWD, State PWD & MES, Railway, issued by the respective enlistment authority of the concerned department for the amount not less than estimated value of the work.
- 3) Satisfactorily completed 3 similar works each costing Rs. Fifty lakhs or completed two similar works of each costing Rs. Fifty lakhs or completed one similar work costing Rs. 1 Crore, during the last five years.
- 4) Should not have incurred any loss in more than two year during the last five year ending 31<sup>st</sup> March 2011.
- 5) Technical evaluation committee of IITM will visit to Bidder's completed site & submit the report to IITM office, Pune. Based on IITM committee report bidders are subject to be qualified/disqualified.
- 6) The Tenderers are requested to give detailed sealed tender in their own forms in two Bids i.e.

Part - I Technical Bid

- 1) The contractor is required to show proof of his latest valid **registration certificate (original)** with above bodies for the prescribed amount.
- 2) The contractor is required to show proof of his latest **Income Tax clearance certificate.**
- 3) The contractor should produce a list of works in hand, and completed during the last 2 years.

Part - II Commercial Bid

Both the sealed bids should be sent in another sealed envelope addressed to the Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, IITM Post, Pashan, Pune - 411 008, INDIA so as to reach on or before **13/07/2011.**

- 7) A sum of Rs. 1000/- (Non - Refundable) for the cost of tender documents DD drawn in favour of Director, IITM.
- 8) You have to submit two separate bids in two separate envelopes and you may keep both the bid envelopes in an envelope for sending to us.
- 9) One envelope will contain only the **TECHNICAL BID** of the indented equipment.
- 10) Another envelope will contain only the financial bid.
- 11) The main envelope, which will contain both the bids, should be super scribed with our tender enquiry No.**CE/Reno/2011/1** due on **13/07/2011.**
- 12) The technical bids will be opened on **13/07/2011** at **1500 hrs** in the presence of tenderers who wish to be present & the financial bids of only those bidders will be opened whose technical bid is found suitable by us.
- 13) The Date and Time of opening for Part-II (Commercial Bid) will be intimated only to pre-qualified and technically acceptable Tenderers.  
  
Last Date and Time for receipt of Tenders: **Upto 12.15 hrs. on 13/07/2011**  
  
Date and Time of opening of Tenders: **At 15:00 hrs. on 13/07/2011**  
(Part - I Technical Bid only)
- 14) This tender is not transferable.
- 15) Cost of the items should be mentioned clearly in the Commercial Offer (Part-II) only.

- 16) **Tenders received through Fax / E-mail / Telegraphic / Telex will not be considered.**
- 17) Tenders addressed to the Director, Indian Institute of Tropical Meteorology, Pune 411008 are to be submitted under two bids system. Super scribed with Tender No. **CE/1/2011/12/** for Renovation of type - III quarters 3 Block 1 Block consisting of 4 quarters.
- 18) The tenders must be clearly written or typed without any cancellations / corrections or overwriting.
- a) Tenders, which are submitted without following the Two-Bid Offer System, will summarily be rejected.
  - b) Unsigned Tenders will also be rejected.
  - c) Part and incomplete tenders are liable to be rejected.
- 19) The tenders will be received in the Institute till **13/07/2011** up to **12.15 hrs** and shall be opened on 13/07/2011 at **1500 hrs** (Technical Bids) in presence of the tenderers or their authorized agents who wish to be present.
- 20) 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,
- 21) The tender / quotation / offer submitted by the firm should be valid for a minimum period of **Ninety (90) days** from the date of opening the tender.
- 22) The Tenderer's conditions printed on the tender or otherwise sent along with the tender shall not be binding on IITM.
- 23) **Delivery Period:** As time is the essence of the contract, period of completion work (Six months including monsoon) mentioned in the work Order should be strictly adhered to.
- 24) The Tenderer is required to furnish the Permanent Account Number (PAN) and Service Tax no. if any allotted by the Income Tax Department. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration' etc. should also be provided in Technical Bid.
- 25) A copy of latest Income Tax Clearance Certificate from Income Tax Department (INDIA) for in Technical Bid.
- 26) **PAYMENT:**
- a) No advance can be paid.
  - b) Payment will be made in RA bills of 20 lakhs each.

- c) Performance security 5% of order value in the form of BG drawn on Nationalized Bank.
  - d) 5% security deposit will be recovered & retained from each running bill which will be refunded after defect liability period of 12 months.
- 27) 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.
- 28) IITM will not provide any accommodation / transportation for the Engineers/Representatives.
- 29) **DEFECT LIABILITY PERIOD:** Defect liability period of the work will be 12 months from the date of actual completion of work and taking over by the Institute.
- 30) No sub-contracting will be allowed for installation or maintaining system/ equipment/ instrument during or after warranty period.
- 31) Discount if any offered should be mentioned clearly in the commercial bid only.
- 32) a) The Earnest Money Deposit of **Rs.1, 70,000=00 (Rs. One lakh Seventy thousand only)** must be paid / sent along with your technical bid in the form of a Demand Draft, Banker's cheque or Bank Guarantee drawn on Nationalized Bank drawn in favour of **The Director, Indian Institute of Tropical Meteorology, Pune payable at Pune**, otherwise your technical & financial bids will not be considered at all.
- b) The Earnest Money of the unsuccessful bidder whose technical bid has not been found suitable will be returned within 30 days after receipt of Technical Committee recommendations.
- c) Though EMD has to be submitted by Demand Draft or Bank Guarantee, we prefer to have Bank Guarantee for easy return to the bidders once a decision is taken by IITM. (Specimen of Bank Guarantee is enclosed at Annexure '1').
- d) Tenders not accompanied with Demand Draft / Bank Guarantee towards "Earnest Money Deposit" will summarily be rejected.
- 33) If the Contractor fails to carry out the renovation work as per specifications mentioned in the BOQ within the due date, the contractor is liable to pay liquidated damages of one percent, per every week delay subject to a maximum of 10% of balance work beyond the due date and such money will be deducted from any money due or which may become due to the supplier.

**34) 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.**

35) Conditional Offers will not be considered.

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

37) 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.

38) 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:**

**[aksaxena@tropmet.res.in](mailto:aksaxena@tropmet.res.in)**

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
<b>A</b>	<b>Dismantling civil work</b>				
1	Removing/Taking down existing sand face External wall and cieling Cement plaster, exposing brick masonry, rakingout joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	1420.000	Sq.m.		
2	Removing/Taking down existing neeru/sanala finish Internal wall and cieling Cement plaster, exposing brick masonry, racking joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	2875.000	Sq.m.		
3	Dismantling all R.C.C. Chajja's and lintel beams etc. at G.F.& F.F. including providing necessary scaffolding & disposing of the debris material beyond PMC limit all as directed by Engineer In charge.	75.000	Nos.		
4	Dismantling existing paving/plinth protection including disposing off the material beyond PMC limit all as directed by Engineer In charge etc complete.	38.000	Cu.m.		
5	Dismantling of old wash basins inculing fitting fixtures etc.& disposing off the debris material beyound PMC limit all as directed by Engineer In charge.	12.000	Nos.		
6	Removing Indian type W.C. pan including disconnecting the sanitary & water supply connection & removing & breaking flooring & bed concrete around pan removing the same carefully and disposing off debris material beyound PMC Limit all as directed by Engineer In charge.	12.000	Nos.		
7	Removing/Taking down Doors & Windows including shutters and disposing off debris material beyond PMC Limit all as directed by Engineer In charge etc complete.				
	(a) Doors	111.000	Nos.		
	(b) Windows	108.000	Nos.		
8	Removing existing Indian patent stone flooring of any thickness without removing bed concrete/Mother slab & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	640.000	Sq.m		
9	Removing of kitchen otta,R.C.C Shelves and partitions for each quarter and disposing of the debris material beyond PMC limit all as directed by Engineer In charge etc complete.	1.000	Job		
10	Dismantling R.C.C. Grills for stair case & disposing off the debris material beyond PMC limit all as directed by Engineer In charge etc complete.	22.000	Sq.m		
11	Dismantling Brick work & disposing off the debris material beyond PMC limit as directed by Engineer In charge etc complete.	24.000	Cu.m		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
12	Removing old plumbing fittings and disposing off the dismantled material and debris out of the premises, all as directed by the Engineer In charge.				
	(a) shower /mixer	24.000	Nos.		
	(b) Bib cock/ stop cock / Wheel valves etc.	48.000	Nos.		
13	Removing old G.I. Pipes 15mm to 40mm diameter concealed or open and disposing off all dismantled material and debris out of the premises, all as directed by Engineer In charge.	435.000	RM		
14	Removing Cast Iron down take vent pipes and etc fittings and disposing off dismantled material and debris out of the premises, all as directed by Engineer In charge.	140.000	RM		
15	Removing existing waterproofing over terrace and toilet/bath at G.F and F.F quarters including scrapping & cleaning the area thoroughly & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	555.000	Sq.m		
16	Dismantling existing water tank's top slab & side walls by providing required support of scaffolding to slab as directed by engineer in-charge & disposing of the damaged material beyond PMC limit as directed by Engineer In charge.	6.000	Nos.		
17	Dismantling R.C.C horizontal & vertical slab shelves partitions of existing cupboard in rooms for each quarter by providing required support of scaffolding and disposing off of the debris material beyond PMC limit all as directed by Engineer In charge.	12.000	Nos.		
	<b>TOTAL (A)</b>				
	<b>(B) New Civil Work</b>				
18	Excavation in foundation in all types of soil including hard murum, sand, soft rock including shoring, pumping or bailing out water, back filling excavated material in the sides of trenches and / or spreading, leveling surplus earth as directed or disposing of the still surplus earth anywhere in owners boundary with 150 m. lead & depth upto 1.5 m. as directed by Engineer In charge.	45.000	Cu.m		
19	Providing & Constructing 2 <sup>nd</sup> class Burnt Brick masonry 230 mm thick with conventional / I.S. type Brick, in Cement Mortar (1:6) including striking joints on unexposed faces & raking out joints on exposed face, providing scaffolding for construction, curing etc. complete.	30.000	Cu.m		
20	Providing & constructing 2 <sup>nd</sup> class Burnt Brick masonry 100 mm thick with conventional / I.S. type brick in c.m.(1:4) including providing R.C.C. Bond at 0.9 m interval, striking out joints on unexposed faces & raking out joints on exposed faces, providing scaffolding for construction, curing etc. complete	55.000	Sq.m.		



Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
21	Providing & laying machine mixed plain cement concrete in grade M10 but having volumetric proportion (1:3:6) (Cement:sand: coarse aggregates) of specified thickness mix & gradation & including formwork if required, laying, spreading ramming, curing, etc. for all types of foundations below footings, walls, rafts, etc.complete all as directed by Engineering-in- Charge.	50.000	Cu.m		
22	Providing & Casting in situ RCC M20 of trap/granite/quartzite/ gneiss metal for Lintel as per design including formwork, laying, spreading, ramming, compaction, curing & roughening the surface if special finish is to be provided etc. complete. (Excluding steel)	11.000	Cu.m		
23	Providing & applying internal cement plaster 15 mm thick in a single coat in Cement Mortar (1:4) over chicken wire mesh with neeru finishing to concrete & brick surface in all position including all types of finishing such as cornice, molding, pattas, scaffolding & curing etc. complete as directed.	2900.000	Sq.m		
24	Providing & applying external cement plaster 20 mm thick over chicken wire mesh in double coat. First coat in c.m. (1:4) & Finishing coat in c.m. (1:2) with sand face finish to concrete & brick surfaces in all positions including all types of finishing such as cornice, molding, pattas, scaffolding & curing etc. complete as directed.	1550.000	Sq.m		
25	Providing & laying Ceramic tiles of size 450 X450X9mm in required position laid on a bed of C:M (1:4) including neat cement float, filling joints with white / coloured cement slurry, cleaning curing etc. complete(make Nitco / Kajaria / RAK or equivalent )	575.000	Sq.m		
26	Providing & fixing 450X100X9mm skirting in required position with cement mortar including joint filling with white/coloured cement slurry cleaning curing etc. complete(make Nitco / Kajaria / RAK or equivalent )	550.000	R.M.		
27	Providing & fixing 300X300X7mm anti skid ceramic tiles for flooring in toilets/Bath in required position on C.M. (1:4) including neat cement float, filling joints with white / coloured cement slurry, cleaning curing etc. complete. (make Nitco / Kajaria / Bell or equivalent )	35.000	Sq.m		
28	Providing & fixing ceramic tiles in dado of size 200 mm X 300 mm X 7 mm in toilets of approved quality & brand in required position with cement mortar including joint filling with white / coloured cement slurry cleaning curing etc. complete.(make Nitco / Kajaria / RAK or equivalent )	475.000	Sq.m		
29	Providing & laying 60mm thick precast concrete paving blocks including ramming the ground laying 1/4" crush metal in required slope ramming the same & laying blocks over it in proper slope & level and cleaning etc. complete.	245.000	Sq.m		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
30	Providing & constructing Kitchen platform of 25 mm to 30mm thick high polished Jet Black granite stone slab fixed in C:M. (1:3) granite facia patti including providing and fixing S.S. Sink with size 18" x 16" ( make Tata / Nirali ) as approved with grating including waste coupling, PVC Waste pipe, upto Nahani trap cutting the plaster wherever required for anchorage of stone slab making good the same as per model flat in required position with cement mortar including joint filling with white / coloured cement slurry cleaning curing etc. complete.	40.000	RM		
31	Providing & laying 20-25mm thick ready made edge cutting and polished Kota stone flooring slabs with cement mortar 1:4 bedding and jointed with gray cement slurry mixed with pigment to match the shade of the slabs, including rubbing, cleaning curing as per model flat etc. complete.	49.000	Sq.m		
32	Providing & laying 20-25mm thick ready made cut and polished Kota stone riser and threads including chamfering etc in cement mortar 1:4 and jointed with gray cement slurry mixed with pigment to match the shade of the slabs, including rubbing, cleaning curing as per model flat etc. complete.	22.000	Sq.m		
33	Providing & fixing MS Grill of approved design as per model flat including 1 coat of primer and 2 coats of enamel paints etc. complete.	250.000	Sq.m		
34	Providing & fixing M.S. grilled panel door at entrance of staircase & at fr.fl staircase lobby with mosquito net including one primer & two coats of enamel paint as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	11.000	Sq.m		
35	Providing & laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations. a)Applying and grouting a slurry coat of neat cement using 3.15 Kg/sq.m. of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab including cleaning the surface before treatment. b)Laying cement concrete using broken bricks / brick bats 25 mm to 100 mm size with 500% of cement mortar 1:5 (1 cement : 5 coarse sand ) admixed with proprietary water proofing compound conforming to IS:2645 over 20 mm thick layer of cement mortar of mix 1:5 admixed with proprietary water proofing compound conforming to IS:2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. c)After two days of proper curing applying a second coat of cement slurry admixed with proprietar d)Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement:4 coarse sand)admixed with proprietary waterproofing compound conforming to IS:2645 and finally finishing the surface with trowel led with neat cement slurry and making of 300 x 300 mm square	498.000	Sq.m		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
36	Providing & fixing colour glazed earthenware wash hand basin of size 18" x 12" with water pillar cock, brackets rubber plugs & stop cock & necessary pipe connections including PVC waste pipe upto the outside face of the wall etc complete.[Make:Parryware/Cera/Simplo]	12.000	Nos.		
37	Providing & applying Cement Paint with two and more coats over external sand faced plastered finish walls including preparation of surfaces etc complete. [Make: Snowcem / Ntcoem / Floora]	1550.000	Sq.m		
38	Providing & applying of 1 <sup>st</sup> quality washable Oil Bond distemper (O.B.D) (ready made) applying standard quality cement primer and putty of approved manufacturer preparing surface by rubbing zero no. sand paper & applying standard quality paint of required shade and colour complete as directed manufacturers specification as per model flat etc. complete.[Make: Asian/Burger/Nerolec]	2045.000	Sq.m		
39	Providing & applying Synthetic Enamel Paint ( Oil Paint) to ceilings, walls including applying standard quality primer and putty of approved manufacturer preparing surface by rubbing zero no. sand paper & applying standard quality paint of required shade and colour complete as directed manufacturers specification as per model flat etc. complete.[Make: Asian/Burger/Nerolec]	240.000	Sq.m		
40	Providing & fixing 40 mm thick ready made edge cut and both side polished kaddappa stone slabs for shelves and cupboards fixed in cement including making grooves in the wall cleaning curing etc complete as per model flat.	31.000	Sq.m		
41	Providing window sills, jams & lintel bottom in 20mm thick granite patti in stepping manner with chamfered edge polishing on both side faces as per model flat & on a bed of C.M.(1:2) & applying adhesive for anchorage including cement float filling joints with slurry, curing polishing & cleaning curing etc complete.	145.000	Sq.m		
42	Providing and Fixing TMT steel reinforcement including cutting , bending, hooking, binding with steel wire, placing in position steel reinforcement for RCC lintel, chajja work at all level with chair, supports, cover etc. complete.	715.000	KG		
43	Providing & fixing chicken wire mesh over external / internal walls to receive cement plaster in all position including nailing, scaffolding as directed by engineer in-charge with all leads, lifts etc. complete.	4450.000	Sq.m		
44	Providing & fixing in position Indian type virtuous China orrisa W.C. Pan, with P trap brick masonry around the pan including 10 litre flushing cistern of standard make flush pipe from tank to inlet connector as per model flat etc. complete.[Parryware/Cera/Simplo]	12.000	Nos.		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
45	Raising of existing Chamber of approximate size 900 mmX 600mm with brick masonry internal and external neat finish cement mortar plaster & IPS in the bottom with half round channel, hunches etc. & externally finished with rough cement plaster in c.m. (1:4) in single coat with R.C.C. Manhole cover with frame, refilling etc. complete.	6.000	Nos.		
46	Providing & fixing 150X100 mm S.W. gully trap in brick masonry chamber with 1:3:6 P.C.C. 100 mm thick, chamber finished externally with cement plaster (1:4) 230X300 with cover & frame etc. complete	12.000	Nos.		
47	Providing, fixing & jointing C.I. Soil pipes of heavy quality Indo Swedish or equivalent make with fitting such as plug or plain bends of sets, tees, cowls with cement joints & heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.				
	a) 100mm dia C.I. waste pipe	50.000	RM		
	b) 75mm dia C.I. waste pipe	155.000	RM		
48	Providing, fixing & jointing 65mm dia PVC pipes with fitting such as plug or plain bends of sets, tees joints & heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete. [Suprem/Prince/Astron]	18.000	RM		
49	Providing & fixing 75 mm dia Nahani traps with C.P. grating on top as per model flat etc. complete.	36.000	Nos		
50	Providing, laying, jointing, fixing & testing G.I. 'C' class (make Swastik TT / Zenith/ Sidharath / equivalent ) with G.I. tested fittings or laid under ground with necessary excavation, refilling & leveling & fitting heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.				
	a) 40 mm dia	90.000	RM		
	b) 25 mm dia	51.000	RM		
	c) 15 mm dia	375.000	RM		
51	Providing & fixing various types of valve & cocks & other fittings as per model flat etc complete.				
	a) 15 mm dia C.P. Stop cock	36.000	Nos		
	b) 15 mm dia C.P. Pillar cock	12.000	Nos		
	c) 15 mm dia C.P. Shower	12.000	Nos		
	d) 15 mm dia C.P. Bib cock	12.000	Nos		
	e) 15 mm dia C.P. Long body bib cock	24.000	Nos		
	f) 15 mm dia C.P. Mixer cock	12.000	Nos		
	g) 15mm patti gate valve	18.000	Nos		
	h) 25mm patti gate valve	6.000	Nos		
	i) 40mm patti gate valve	6.000	Nos		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
52	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminium sliding black powder coated window of three track with all necessary sections fixtures & fastenings in nylon casing & self locking latch fitted in vertical section, shutters including 4 mm thick plain glass and mosquito net with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	88.000	Sq.m		
53	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminium louvered black powder coated window with all necessary sections fixtures & fastenings in nylon casing & self locking latch fitted in vertical section, shutters including mosquito net with aluminum frame and all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	12.000	Sq.m		
54	Providing & fixing in position anodized aluminium black powder coated fixed window including all necessary section fixtures & fastening including 4 mm thick plain glass with provision for Exhaust fan complete as per model flat and all as directed by Engineering-in-charge.	5.000	Sq.m		
55	Providing and fixing 300 mm radius marble piece at corner in bath and kitchen including making groove in walls & fixing in cement mortar (1:2) and finishing with white cement as per model flat.	24.000	Nos		
56	Providing & Fixing flush Doors with T.W. frames (Frames size 125mm x 75mm) fixed with 6 no. of hold fast in walls, including primer coat with side hung solid core panel bonded block board flush door of 30 mm thick with teak lipping including three coats of enamel paint with three 100 mm hinges & all necessary C.P. fittings such as aldop -1, tadipatti-1, tower bolt-1, Hinges-3, door stopper-1 & handles-2 to each door as per model flat etc complete.	100.000	Sq.m		
57	Providing & fixing latch of standard make of europa to main door with separate eye view, safety chain as per model flat etc complete.	12.000	Nos		
58	Providing & fixing Granite stone frame made in granite slab of 18mm thk. granite patti in stepping manner with chamfered edge polishing on both side faces as per model flat & on a bed of C.M.(1:2) & applying adhesive for anchorage including cement float filling joints with slurry, curing polishing & cleaning curing etc complete with PVC door (make Sintex) at toilet & bath block as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	24.000	Nos.		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
59	Providing & fixing in position openable 30mm thick wooden mosquito net shutters in main door opening & in balcony door opening as per detailed drawing & with all necessary sections, fixtures & fastenings & self closing hinges fitted in vertical section of shutter including accessories such as aldrop -1, tadipatti-1, tower bolt-1, Hinges-3, door stopper-1 & handles-2 to each door as per model flat etc complete.	31.000	Sq.m		
60	Providing & fixing Doors for cupboard with T.W. frame of size 75 mm x 50 mm with good quality 18mm ply wood shutter with TW lipping, externally finished with lamination & internally painted with white enamel including necessary C.P. fittings such as hinges-6, door closer magnet-2, C.P.cloth hinger rod-1, Handles-2 & lock-1 as per model flat etc. complete	62.000	Sq.m		
61	Providing & fitting PVC double layered water tanks with a capacity of 2000 ltr including necessary inlet/outlet, wash outlet, ball cock & over flows pipes, G.I. connections fitting etc completed as directed & as per model flat etc complete.	6.000	Nos		
62	Providing & fitting Stainless steel Curtain rods with end caps to doors & windows opening in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	95.000	RM		
63	Providing & fitting Mirror with Cabinet near Wash basin in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	12.000	Nos.		
64	Providing & fitting Wooden batten with J hooks for Cloth drying in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	12.000	Nos.		
65	Providing & fitting C.P. finish make Jaquar / Essco / Metro /Parryware Bathroom/toilet accessories & fittings in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.				
	a) Towel Rod	12.000	Nos.		
	b) Ring to hold towel	12.000	Nos.		
	<b>TOTAL ( B )</b>				
	<b>( C ) Concealed Electric Wiring Work</b>				
1	Dismantalling the existing light, fans, plug points with VIR/PVC wire in casing capping, PVC or TW batten complete with fitting such as batten holder, ceiling rose, switches, regulators and disposing off the dismantled material and debris out of the premises, all as directed by the Engineer In charge.	1.00	Nos.		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
2	Dismantalling existing cables & mains of all types & sizes & refilling holes with cement mortar & finishing in an approved manner as directed by engineer in-charge as per model flat etc. complete.	1.00	Job		
3	Providing, laying, fitting & installation consealled electric wiring Light point with making groove in wall, PVC conduit pipe, 2X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires with angle holder/ batten holder/ceilling rose & with Roma Anchor /Vinay /Harrison make switches including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	135.00	Nos.		
4	Providing, laying, fitting & installation consealled electric wiring for 6 A plug & switch point make Roma Anchor /Vinay /Harrison 2X1.5 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	250.00	Nos.		
5	Providing, laying, fitting & installation consealled electric wiring for 6/15 A plug & switch point make Roma Anchor /Vinay /Harrison with 2X2.5 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	48.00	Nos.		
6	Providing, laying, fitting & installation consealled electric wiring for Two way Light/Fan point/Bell point make Roma Anchor /Vinay /Harrison with making groove in wall, PVC conduit pipe, 2X1.5 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires with angle holder/ batten holder/ceilling rose including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	145.00	Nos.		
7	Providing, fitting & installation consealled electric Tel point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	24.00	Nos.		
8	Providing, Supplying & installing T V point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	12.00	Nos.		

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
9	Providing,laying &fitting consealled electric wiring for circuit with making groove in wall, PVC conduit pipe, 2X2.5 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires with connection at both ends including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	1100.00	R.M.		
10	Providing,laying &fitting consealled electric wiring for circuit with making groove in wall, PVC conduit pipe, 2X4.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires with connection at both ends including 1X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	325.00	R.M.		
11	Providing,laying &fitting consealled TV Cable with making groove in wall, PVC conduit pipe, Finolex /Popycab / RPG make with connection at both ends as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	235.00	R.M.		
12	Providing,laying &fitting consealled Tel Cable with making groove in wall, PVC conduit pipe, Finolex /Popycab / RPG make with connection at both ends as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	384.00	R.M.		
13	Providing, fitting & installation on wall MCB Distribution Board suitable for 12 MCB's as per requirement, fitted with bus bar, electric circuit breaker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	12.00	Nos.		
14	Providing, fitting & installation 32/40 A MCB Isolator double pole as per requirement, electric circuit breker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	27.00	Nos.		
15	Providing, fitting & installation 10/15/20/32/40 A MCB single pole as per requirement, electric circuit breker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	135.00	Nos.		
16	Supplying & fixing Ding dong bell Anchor make cat no. 8057 on teak work/ sunmica top board as directed by engineer in-charge with all leads, lifts as per model flat etc. complete..	12.00	Nos.		



Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
17	Supplying & fixing ceiling fans Crompton /Bajaj / Usha make with 1200 mm sweep, double ball bearing type, white/ brown colour. Considering the height of the ceiling contractor will have to provide the fan rod of appropriate length made from MS conduit pipe as directed by engineer in-charge with all leads, lifts as per model flat etc. complete..	36.00	Nos.		
18	Supplying, fixing & connecting on wall over PVC block prewired single tube light fitting Wipro/ Philips/ Bajaj make with low loss choke, starter, condensor as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	54.00	Nos.		
19	Providing, Supplying & installing Elect Exhaust fan Crompton /Bajaj / Usha make white/ black colour in Kitchen room as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	12.00	Nos.		
20	Providing & Fixing 18mm thk plywood board as Meter board in meter room with TW lipping, finished with white enamel painting as directed by engineer in-charge as per model flat etc. complete.	3.00	Nos.		
21	Fixing existing armed cable from electric pole to the meter room by providing sadals to fix cable in well manner as directed by engineer in-charge as per model flat etc. complete.	45.00	R.M.		
22	Providing, fitting & installing 32/63-400 Kikat switch in meter room as directed by engineer in-charge as per model flat etc. complete.	9.00	Nos.		
23	Providing, fitting & installing 100 A Bus bar in meter room as directed by engineer in-charge as per model flat etc. complete.	3.00	Nos.		
24	Providing & Earthing with G.I. earth plate of size 600x600x6mm with 25x3 mm GI strip as an earth conductor in 2 mtr deep & 1mtr wide pit with 3/4" G.I. pipe for watering refilling the pit with 30 kg charcoal & 30 kg salt including construction of cement concrete chamber with C.C. cover & funnel for watering as directed by engineer in-charge as per model flat etc. complete.	3.00	Nos.		
25	Supplying & fixing on wall or under ground GI earth strip of size 25 x 3 mm in 2 nos. earth conductor as directed by engineer in-charge as per model flat etc. complete.	15.00	R.M.		
26	Supplying & fixing on wall or under ground ISI mark GI pipe of class "C" of 32mm dia & also to lay earth strip of size 25 x 3 mm in 2 nos. earth conductor as directed by engineer in-charge as per model flat etc. complete.	9.00	R.M.		
	<b>Concealled Electric Wiring Work Total</b>				
	<b>TOTAL CIVIL WORK</b>				
	<b>(A) Dismantling Civil Work</b>				
	<b>(B) New Civil Work</b>				
	<b>(C) TOTAL Concealled Electric Wiring Work</b>				
	<b>T O T A L</b>				

Sr.no.	Description	Qty	Unit	RATE(Rs.)	Amount(Rs.)
	<b>(D) Rebate</b>				
27	Rebate to be offered by the Contractors for carefully removing & taking away all above material out side the premises. The rate quoted shall be inclusive of all necessary tools, labour, scaffolding, making the good all damages, carting away debris O/S the premises.	-1.000	Job		
	Reinforced MS Steel bars	750.000	Kg		
	Wash Basin	12.000	Nos.		
	W C Orrissa pan	12.000	Nos.		
	Doors	117.000	Nos.		
	Windows	118.000	Nos.		
	Shower	24.000	Nos.		
	Bib cock/ stop cock / Wheel valves etc.	48.000	Nos.		
	G.I. Pipe various dia	450.000	R.M.		
	C.I. Pipe various dia	150.000	R.M.		
	<b>TOTAL ( D )</b>				
	<b>GRAND TOTAL( A+B+C+D)</b>				

**Note:** 1. All rates shall be inclusive of all Taxes.

2. Contractor shall visit the site before quoting their rates.