

INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM)

PASHAN, PUNE-411 008

Tender No. IITM/CE/Director Bungalow/2015-16/01

e-TENDER NOTICE

Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, Pashan, Pune-411 008, (India). Invites sealed separate tenders for following work (Part-I - Technical Bid, Part-II - Commercial Bid) in separate sealed covers from Contractors registered in the approved list of contractors of PWD/MES/ CPWD/ Railways/P&T/Industrial Experienced contractors and any other government departments inappropriate class for following work:

Name of work: Repairs works for Director Bungalow at IITM, Colony Campus, Pashan, Pune.

Tender documents can be down loaded from the institute website <http://www.tropmet.res.in> or e - procurement web site <http://eprocure.gov.in> and can also be obtained from the civil wing of the institute.

The tender document fee: Rs 500-/, (Rs Five hundred only) [Non Refundable] by demand draft drawn in the favour of Director, IITM Pune.

Date of issue of tender documents : 23/04/2015

Pre - Bid Meeting : 30/04/2015 (11:00 hrs)

Venue of Pre-Bid meeting : Indian Institute of Tropical Meteorology,
Dr. Homi Bhabha Road, Pashan,
Pune- 411 008

Last date of receipt of Tender at IITM, Pune : 13/05/2015 (12:30hrs)

Opening of Tenders (Technical Bids only) : 13/05/2015 (15:00hrs)

The Institute reserves the right to reject any or all tenders without assigning any reason thereof.

Civil Engineer
For Director
IITM, PUNE

TENDER FOR
REPAIRS WORKS FOR DIRECTOR
BUNGALOW AT IITM, COLONY CAMPUS,
PASHAN, PUNE.

VOLUME-I
(TECHNICAL BID)

INDIAN INSTITUTE OF TROPICAL METEOROLOGY,
DR.HOMI BHABA ROAD, PASHAN, PUNE-411008

TENDER FOR

REPAIRS WORKS FOR DIRECTORS' BUNGALOW AT IITM, COLONY CAMPUS,
PASHAN, PUNE.

Tender No. : IITM/CE/works/Director Bungalow/2015-16/01

Name of work : Repairs work for Director Bungalow at IITM, Colony Campus,
Pashan, Pune.

Tender document fee: Rs 500/-, (Rs Five Hundred only) [Non Refundable] by
Demand draft drawn in the favor of Director, IITM
Pune-411008.

Date of issue of tender documents from : 23/04/2015

Pre - Bid Meeting : 30/04/2015 at 11 00 hrs.

Venue of Pre-Bid meeting : Indian Institute of Tropical, Meteorology,
Dr. Homi Bhaba Road Pashan,
Pune-411008

Last date of receipt of Tender at IITM, Pune: 13/05/2015 at 12: 30 hrs.

Opening of Tenders (Technical Bids only) : 13/05/2015 at 15: 00 hrs.

Estimated Cost : **Rs. 14.25 lacks**

COMPLETION PERIOD : **01 Months** from the date of handing over of site
to contractor by the Institute to commence the
work

Ernest Money Deposit (EMD): **Rs.28,500/- (Rs. Twenty Eight Thousand Five Hundred
only)** by demand draft (DD) or Bank Guarantee (BG) from Nationalize/Schedule Bank
in favour of The Director IITM, Pashan, Pune-411008.

**NOTICE INVITING TENDER FOR
REPAIRS WORKS FOR DIRECTOR BUNGALOW AT IITM, COLONY CAMPUS,
PASHAN, PUNE.**

FOR

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY,
DR.HOMI BHABA ROAD, PASHAN, PUNE-411008**

TWO COVER SYSTEM

Tender Notice No. IITM/CE/Director Bungalow/2015-16/01

Director, Indian Institute of Tropical Meteorology, Pune, Invites bid for the said work under the **Two Cover System** from the contractors who meet the following criteria.

1. Contractor shall produce definite proof of valid contractor license /enlistment certificate with the CPWD/State PWD/MES Railways issued by the respective enlistment authority of the concerned department for the amount not less than estimated amount of the work. If the Electrical works is carried out by successful bidder through sub contractor then the subcontractor should have veiled electrical contract licenses of suitable class copy of the licenses should be provided before starting the work
2. For Civil work, Fabrication and Plumbing works of similar nature
 - i) Average annual financial turnover for similar works during the last 3 years ending 31st March 2014 of the previous should be at least 30% of the estimated cost.
 - ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:-

The BIDDER should have three similar completed works costing not less than the amount equal to 40% of the estimated cost.

Or

Two similar completed works costing not less than the amount equal to 50% of the estimated cost.

Or

One similar completed work costing not less than the amount equal to 80% of the estimated cost.

4. A sum of Rs. 500/- (Non – Refundable) for the cost of tender documents DD drawn in favour of Director, IITM.
5. This tender is not transferable.
6. The rates for BOQ items total cost of work should be mentioned clearly in the Commercial Offer (Part-II) as per commercial bid format only.
7. **Tenders received through Fax / E-mail / Telegraphic / Telex will not be considered.**
8. Tenders addressed to the Director, Indian Institute of Tropical Meteorology, Pune 411008 are to be submitted under two bids system. Super scribed with Tender Notice No., name of work, due date and time and it should submitted before due date at time.
9. 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.
10. The tenders will be received in the Institute till **13/05/2015** up to **12: 30 hrs** and shall be opened on **13/05/2015** at **15:00 hrs** (Technical Bids only) in presence of the tenderers or their authorized person who wish to be present.
11. 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,
12. The tender / quotation / offer submitted by the firm should be valid for a minimum period of One hundred twenty days (**120**) days from the date of opening the tender.
13. If required technical evaluation committee of IITM will visit to bidder's completed site and submit the report to IITM Pune. Based on IITM Committee report bidders will be qualified/disqualified.
14. The commercial bids of only technically qualified bidders will be opened by the Institute.
15. Delivery Period – As the time is the essence of the contract, period of completion of work should be strictly adhered to.
16. 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.

17. A copy of latest Income Tax Clearance Certificate from Income Tax Department (INDIA) for in Technical Bid.
18. The bidders are requested to submit their bank details required for RTGS Payment
19. **PAYMENT:**
 - a) No advance can be paid.
 - b) **One running payment will be made on need basis. RA bill should not be less than Rs. 5 lacks**
- 20) **Performance security** interest free – Successful bidder will submit the performance security of 5% of order value in the form of DD/BG drawn on any Nationalized Bank/Scheduled bank in favour of Director IITM, Pune payable at Pune which will be released on completion of work
- 21) **Retention money:** 5% security deposit will be recovered & retained from each running bill which will be refunded after defect liability period of 12 months from the date of handing over the clear site
- 22) **Non tendered items:** The Rate for non-tendered items will be arrived as per following material cost at site + labour cost + taxes + 10% overhead & profit. Non tendered items will be executed only with prior approval of Institute's authority.
- 23) **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.
- 24) **DEFECT LIABILITY PERIOD:** Defect liability period of the work will be 12 months from the date of actual completion of work and clear handing over of the site by the contractor to the Institute.
- 25) The successful bidder will be responsible for all activities on the site as per safety norms and building code
- 26) Government/labour Act- The successful bidder will follow all the government labour acts which are in force at present and introduce from time to time.
- 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) No sub-contracting will be allowed for installation or maintaining system/ equipment/ instrument during or after warranty period.
- 30) Discount if any offered should be mentioned clearly in the commercial bid only.
- 31) The Earnest Money Deposit of **Rs. 28,500/- (Rs. Twenty Eight Thousand Five Hundred only) must** be paid / sent along with your technical bid in the form of a Demand Draft, 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.

- 32) The Earnest Money of the unsuccessful bidder whose technical bid has not been found suitable will be returned within 30 days after award of work to successful bidder.
- 33) Tenders not accompanied with Demand Draft / Bank Guarantee towards "Earnest Money Deposit" and tender fee will summarily be rejected.
- 34) **PENALTY:** If the Contractor fails to carry out the 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 work order value and such money will be deducted from any money due or which may become due to the supplier. Period of completion will be counted from the date of handing over the site to contractor for execution of work.
- 35) Decision of Director, IITM in regard of interpretation of the terms and conditions shall be final and binding on the vendor.
- 36) **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.
- 37) Conditional Offers will not be considered.
- 38) All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Pune, India only.
- 39) 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.
- 40) 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.
*Only one set of document will be issued. Contractors have to take additional copies.
- 41) Water for the work will be supplied at one point for execution of work

- 42) 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
- 43) While filing the commercial bids the contractors should consider all the taxes and Cost mentioned in commercial bids inclusive of all Taxes.

44) **BID SUBMISSION**

Technical Bid-I along with forwarding application on their company letter head, complete tender documents, blank BOQ, related documents duly signed and stamped on each page in sealed ENVELOPE superscribe with TECHNICAL BID and Part - II Commercial Bid duly filled and signed in separate sealed ENVELOPE superscribed with COMMERCIAL BID and Both the sealed bids should be sent in another sealed envelope superscripted with Tender notice no., due date and time 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 **13/05/2015 (12 30hrs). The technical bids will be opened on the same day at 15 00 hrs.**

[Note: Late received bids will not be considered for tender opening and further evaluation]

- 45) The Director, Indian Institute of Tropical Meteorology, reserves the right to accept/reject Anyone /all the tenders without assigning any reason thereof.

CIVIL ENGINEER
FOR DIRECTOR,
INDIAN INSTITUTE OF TROPICAL METEOROLOGY,
DR. HOMI BHABHA ROAD, NCL POST,
PASHAN PUNE - 411008.INDIA

-AGREEMENT-

This agreement, made the day of ,2014 between Indian Institute of Tropical Meteorology, Homi Bhabha road, Pashan, Pune (hereinafter called _ the Employer) II of the one part and M/s. ----- II of the part

Whereas the Employer is desirous that the Contractor execute -----at Indian Institute of Tropical Meteorology, Pashan, Pune (hereinafter called _ the Works II) and the Employer has accepted the Bid by the Contractor for the execution

And completion of such works and the remedying of any defects therein, at a Contract Rs. -----

THIS AGREEMENT WIRNESSETH as follows:

1. In this Agreement, words and expression shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the works and remedy any defects therein conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying the defects wherein the contract Price or such other sum as may become payable under the provisions of the Contractor at the times and in the manner prescribed by the contract.
4. The contractor shall not be responsible for any delays due to changes in drawings, specifications, scope of work or any other reasons attributable to the client, his representatives and other contractors. The contractor shall also not be responsible for any delays occurring due to force majeure situations during the execution of the work.

5. **PENALTY CLAUSE:** If the Contractor fails to carry out the 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 work order value and such money will be deducted from any money due or which may become due to the supplier. Completion period will be calculated from the date of handing the site to contractor for execution of work.
6. Other terms and conditions will be applicable as per Tender document and issued LOI dated on-----
7. 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. Decision of Director, IITM in regard of interpretation of the terms and conditions shall be final and binding on the vendor.

In witness whereof the parties thereto have caused this Agreement to be executed the day and Year first before written.

Signed and delivered for and on behalf of
behalf of

M/s. -----

Signed and delivered for and on

Indian Institute of tropical Meteorology, Pashan

1) Signature

Name:

Address:

1) Signature

Name:

2) Signature

Name:

2) Signature

Name:

BOQ for Repair works for Director Bunglow at IITM Colony campus, Pashan, Pune

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
	(A) Dismantling Civil Work							
1	Dismantling/removing of aluminum framed glazed and wooden board pannelled show case storage unit of approx size 10'x7' carefully and reassembled and fixing at another location with in IITM campus all as directed by Engineer-in-charge.	1	JOB					
2	Dismantling of wall tiles including back coat plaster racking of brick work joints etc to make it clean and ready for new back coat plaster as required for new tiling work and removing of all debris out of IITM premises all as directed by Engineer-in-charge.	50	sq.m					
3	Dismantling of floor tiles including back coat plaster racking of brick work joints etc to make it clean and ready for new back coat plaster as required for new tiling work and removing of all debris out of IITM premises all as directed by Engineer-in-charge.	20	sq.m					
4	Dismantling Brick work & disposing off the debris material beyond PMC limit as directed by Engineer In charge etc complete.	15	sq.m					
5	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.	26	r.m					
6	Removing Cast Iron down pipes open or concealed including fittings etc. and disposing off dismantled material and debris out of the premises, all as directed by Engineer In charge.	18	r.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
7	Dismantling of old wash basins including fitting fixtures etc. & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	2	Nos.					
8	Removing Indian type and Western Comode pan including disconnecting the sanitary & water supply connection, flushing system & removing & breaking flooring & bed concrete around pan removing the same carefully and disposing of debris material beyond PMC Limit all as directed by Engineer In charge.	2	Nos.					
9	Dismantling existing paving/plinth protection including sub base of concrete disposing off the material beyond PMC limits all as directed by Engineer In charge etc complete.	13	cu.m					
10	Removing/Taking down existing sand face Cement plaster, exposing brick masonry, raking out joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	100	Sq.m.					
11	Removing/Taking down Doors & Windows including shutters and disposing of debris material as directed by Engineer In charge etc complete.	2	Nos.					
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	2	Nos.					
	(b) Bibcock/stopcock / mixture valves etc.	16	Nos.					
TOTAL (A)								

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
	(B) New Civil Work							
13	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 and disposing off of the debris material beyond PMC limit all as directed by Engineer In charge.	55	Cu.m					
14	Providing & Constructing 2nd 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.	2	Cu.m					
15	Providing & constructing 2nd class Burnt Brick masonry 100mm 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	5	Sq.m					
16	Providing and laying Garded sub Base (GSB) thickness of 300mm including watering , ramming with heavy rollers, leveling the surface with murum/gret spreading etc. complete(The rate shall be for compacted thickness)	25	CUM					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
17	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. [Location: For Plinth protection]	20	Cu.m					
18	Providing & Casting in situ RCC M20 for Lintel, chajja, making base slab structure for water tank etc. as per design including formwork, laying, spreading, ramming, compaction, curing & roughening the surface if special finish is to be provided etc. complete.(Excluding steel)	1	Cu.m					
19	Providing & applying cement plaster 20 mm thick 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.[Note: For plastering natural sand to used]	100	Sq.m					
20	Providing and laying vitrified wall tiles 300X 450MM (standard thickness as per manufacturer specification) with water absorption's less than 0.08% and conforming to IS :15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. (Location:Toilet & Bath)	55	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
21	Providing and laying Antiskid Ceramic glazed floor tiles of size 300x300mm (standard thickness as per manufacturer specification) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.(Location:Toilet & Bath) Make: Jhonson/Somani/Kajariaya/NITCO/R.A.K/BELL	20	Sq.m					
22	Tile on tile : Supply and Fixing antiskid Vitrified floor tiles Size 600x600mm on walls and skirting (standard thickness as per manufacturer specification) 4-6 inches with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness Providing and laying vitrified floor tiles with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete all as directed by Enginner-incharge. [Make: Jhonson/Somani/Kajariya/NITCO/R.A.K/BELL]	135	Sq.m					
23	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]	2	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
24	Providing & applying acrylic base antifungal weather proof exterior Paint APEX with two and more coats over external sand faced plastered finish walls including preparation of surfaces etc complete.[Make: Asian/Burger/Nerolac]	1100	Sq.m					
25	LUSTER PAINT two or more coats including preparation of old painted surfaces with birla putty and primer coat complete all as directed by Engineer-in-charge.	640	Sq.m					
26	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 etc. complete.[Make: Asian/Burger/Nerolec]	300	Sq.m					
27	Providing Door sills/umra patti 20mm thick granite patti in stepping manner with chamfered edge polishing on both side faces 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.	5	Sq.m					
28	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.	100	Kg					
29	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.	100	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
30	Supplying,installing, testing and commissioning of White Color European Water closet - wall mounted with integral low level PVC flushing cistern- 'P' or trap including following accessories: solid seat and cover with rubber buffers and flap, brackets, brass screws with washer, 15mm CP Angle valve with connection tube,CP wall flange, pan connector, CI chair bracket,all hardware items like wallbrackets bolts washers & screws & brackets to be painted with two coats of enamel paint of approved shade over a coat of primer and necessary screws,etc.complete. Works including cutting and making good the walls /floor wherever required, etc., complete. [Make: Hind ware wall mounting water closet studio model no:20058 and 15mm CP Angle valve with connection tube model no: CON-053-KN and PVC Cistern of Parryware/Hindware/flush line or equivalent] All as directed by Engineer-in-charge.]	2	Each					
31	Supplying , fixing in position and testing C.P. health faucet wall hook one metre long flexible tube, angle cock with wall flange all complete including cutting and making good the walls wherever required. [Make:Jaquar CP Double Coat hook - Model -AKB 35761]	2	Each					
32	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	5	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
33	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	18	Rm					
	b) 75mm dia C.I. waste pipe	18	Rm					
34	Providing & fixing 75 mm dia Nahani traps with C.P. grating on top etc. complete.	4	Nos.					
35	Providing, laying, jointing, fixing & testing 15mm dia G.I. 'C' class IS standered open or concealed including chase cutting in wall for hot and cold water supply , G.I. tested fittings or laid underground with necessary excavation, refilling & leveling & fitting heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.All as directed by Engineer-in-charge.	26	Rm					
36	Providing & fixing various types of valve & cocks & other fittings flat etc complete.							
	a) 15 mm dia C.P. Stop cock	8	Nos.					
	b) 15 mm dia C.P. Pillar cock	2	Nos.					
	c) 15 mm dia C.P. Shower	2	Nos.					
	d) 15 mm dia C.P. Bib cock	2	Nos.					
	e) 15 mm dia C.P. Long body bib cock	0	Nos.					
	f) 15 mm dia C.P. Mixer cock	2	Nos.					
	g) 15mm patti gate valve	4	Nos.					
	i)C.P. brass toilet paper holder of standard size	2	Nos.					
	h)Providing fixing CP soap dish holder of approved make: Jaquar Continental soap dish holder - Model - 1131N	2	Each					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
37	Fabrication work for M.S Grill/Door/Framing work etc.Providing , fabricating ,fixing and installing using MS angle (45mm x45 mm x 5mm), I section, nut-bolts , fastners, plates, angles, channels, flats etc. including cutting, bending, drilling holes , welding , placing at required position, embeded in concrete,every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only providing red oxide and two coats of enamel paint etc. for fencing work and MS gates complete in all respect as directed. (Location: Balcony)	200	Kg					
38	Supply and fixing Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm mosquito net fixing with nuts/bots/Screw with M.S Framing. M.S framing work will be paid separately under febrication item.	30	Sq.m					
39	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum sliding black powder coated window of two track with all necessary sections fixtures & fastenings in nylon casing & self locking latch fitted in vertical section, shutters including mosquito net with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge. [Location: Kitchen Ventilation]	2	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
40	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum 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 all as directed by Engineer-In-charge. [Location: Bathroom Ventilators]	2	Sq.m					
41	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 & 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) of standard size at toilet & bath as directed by engineer in-charge with all leads, lifts etc. complete MAKE: SINTEX/RAJSHRI or equivalent. Complete in all respect. [Location Bath room Door]	2	Sq.m					
42	Providing & fitting Stainless steel Curtain rods with end caps to doors & windows opening in position with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.	22	R.m					
43	Providing & fitting Mirror Cabinet above Wash basin in position having size 0.46 x 0.60 with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.	2	Nos.					
44	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
45	Providing & fitting C.P. finish make Jaguar/ Essco/Metro/Parryware, Bathroom/toilet accessories & fittings in position with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.							
	a) Towel Rod	2	Nos.					
	b) Ring to hold towel	2	Nos.					
46	Supplying and fixing cp Double Coat hook fixing with necessary screws etc., complete. Make:Jaquar cp Double Coat hook - Model - 1161	2	Nos.					
47	Providing and fixing glass shelf s.s framed of standard make Jaugwar or equivalent all as directed and approved by Engineer-in-charge	2	Nos.					
48	Making provision for washing machine in south-west corner balcony by providing water connection from nearest source and connecting water drainage to nearest gully trap/manhole chamber complete in all respect all as directed by Engineer-in-charge	1	JOB					
49	Making Door opening in existing balcony m.s grill by cutting and fixing M.S Frame & single leaf shutter approx. size 3'x7' M.S grill type similar in existing grill pattern including necessary fittings such as hinges, tower bolts and locking arrangement etc. all as directed by Engineers-in-charge. [Note: M.S fabrication work will be paid separately by weight under fabrication item.]	1	JOB					
50	Making provision for fixing WINDOW A.C including wall opening finishing complete in all respect all as directed by Engineer-in-charge.	2	JOB					
51	Making provision for fixing SPLIT A.C including core cutting and finishing complete in all respect all as directed by Engineer-in-charge.	2	JOB					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
52	Material and labour applying Heat shield coating Dr. fixit product as per manufactures specification and application procedure. Dr. Fixit heat shield coating (heat insulating exterior coating) reflectance , UV & IR resistant and microbial resistant for RCC roof water proofing treatment as per following specification : a) Surface to be applied upon must be free from dust, loose material, paint , oil or any other material which may impair adhesion. b)Mechanical means such as wire brushing and shot blasting can be use. Finally vaccume cleaning of all loose solids & liquid shall be done if require. c) All surface cracks upto 5mm width should be fill up with Dr. Fixit crack X or Dr. Fixit unifillers. d) Cracks more than 5mm width and all separation gaps	2744	Sq.Ft.					
53	Re-securing of door shutter by cutting from bottom due increase in floor level during tiling work. Resecuring the same to make operational complete. All as directed by Engineer-in-charge	10	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
54	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications & direction of Engineer in-Charge. 60mm thick C.C. paver block of M-35 grade with approved colour, design & pattern.	75	sq.m.					
TOTAL (B)								
(C) Electrical Work								
55	point,gyeser point with /5/15Amp Light and Power points (Points directly controlled from Switch board or ,MCB D.B.) with 2X1.5 sq.mm FR PVC insulated copper conductor single core multistrand wires in surface / recessed medium class 2 mm thick 25 mm dia PVC conduit,including with modular switch,modular socket , modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required including fish wire, chasling & making good to the damage with wire mesh to original finish. Note:1.:Each Light points/fan points etc shall be considered as one Light points.Note:2.: Power points of 5A,5/15 Amp which is indepeddant shall be considered as one Light points under above categories.	10	points					
TOTAL (C)								
					Total (A+B+C) =			

**REPAIRS WORKS FOR DIRECTOR
BUNGALOW AT IITM, COLONY CAMPUS,
PASHAN, PUNE.**

**VOLUME II
COMMERCIAL BID**

BOQ for Repair works for Director Bunglow at IITM Colony campus, Pashan, Pune

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
	(A) Dismantling Civil Work							
1	Dismantling/removing of aluminum framed glazed and wooden board pannelled show case storage unit of approx size 10'x7' carefully and reassembled and fixing at another location with in IITM campus all as directed by Engineer-in-charge.	1	JOB					
2	Dismantling of wall tiles including back coat plaster racking of brick work joints etc to make it clean and ready for new back coat plaster as required for new tiling work and removing of all debris out of IITM premises all as directed by Engineer-in-charge.	50	sq.m					
3	Dismantling of floor tiles including back coat plaster racking of brick work joints etc to make it clean and ready for new back coat plaster as required for new tiling work and removing of all debris out of IITM premises all as directed by Engineer-in-charge.	20	sq.m					
4	Dismantling Brick work & disposing off the debris material beyond PMC limit as directed by Engineer In charge etc complete.	15	sq.m					
5	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.	26	r.m					
6	Removing Cast Iron down pipes open or concealed including fittings etc. and disposing off dismantled material and debris out of the premises, all as directed by Engineer In charge.	18	r.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
7	Dismantling of old wash basins including fitting fixtures etc. & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	2	Nos.					
8	Removing Indian type and Western Comode pan including disconnecting the sanitary & water supply connection, flushing system & removing & breaking flooring & bed concrete around pan removing the same carefully and disposing of debris material beyond PMC Limit all as directed by Engineer In charge.	2	Nos.					
9	Dismantling existing paving/plinth protection including sub base of concrete disposing off the material beyond PMC limits all as directed by Engineer In charge etc complete.	13	cu.m					
10	Removing/Taking down existing sand face Cement plaster, exposing brick masonry, raking out joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	100	Sq.m.					
11	Removing/Taking down Doors & Windows including shutters and disposing of debris material as directed by Engineer In charge etc complete.	2	Nos.					
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	2	Nos.					
	(b) Bibcock/stopcock / mixture valves etc.	16	Nos.					
	TOTAL (A)							

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
	(B) New Civil Work							
13	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 and disposing off of the debris material beyond PMC limit all as directed by Engineer In charge.	55	Cu.m					
14	Providing & Constructing 2nd 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.	2	Cu.m					
15	Providing & constructing 2nd class Burnt Brick masonry 100mm 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	5	Sq.m					
16	Providing and laying Garded sub Base (GSB) thickness of 300mm including watering , ramming with heavy rollers, leveling the surface with murum/gret spreading etc. complete(The rate shall be for compacted thickness)	25	CUM					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
17	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. [Location: For Plinth protection]	20	Cu.m					
18	Providing & Casting in situ RCC M20 for Lintel, chajja, making base slab structure for water tank etc. as per design including formwork, laying, spreading, ramming, compaction, curing & roughening the surface if special finish is to be provided etc. complete.(Excluding steel)	1	Cu.m					
19	Providing & applying cement plaster 20 mm thick 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.[Note: For plastering natural sand to used]	100	Sq.m					
20	Providing and laying vitrified wall tiles 300X 450MM (standard thickness as per manufacturer specification) with water absorption's less than 0.08% and conforming to IS :15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. (Location:Toilet & Bath)	55	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
21	Providing and laying Antiskid Ceramic glazed floor tiles of size 300x300mm (standard thickness as per manufacturer specification) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.(Location:Toilet & Bath) Make: Jhonson/Somani/Kajariaya/NITCO/R.A.K/BELL	20	Sq.m					
22	Tile on tile : Supply and Fixing antiskid Vitrified floor tiles Size 600x600mm on walls and skirting (standard thickness as per manufacturer specification) 4-6 inches with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness Providing and laying vitrified floor tiles with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc. complete all as directed by Enginner-incharge. [Make: Jhonson/Somani/Kajariya/NITCO/R.A.K/BELL]	135	Sq.m					
23	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]	2	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
24	Providing & applying acrylic base antifungal weather proof exterior Paint APEX with two and more coats over external sand faced plastered finish walls including preparation of surfaces etc complete.[Make: Asian/Burger/Nerolac]	1100	Sq.m					
25	LUSTER PAINT two or more coats including preparation of old painted surfaces with birla putty and primer coat complete all as directed by Engineer-in-charge.	640	Sq.m					
26	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 etc. complete.[Make: Asian/Burger/Nerolec]	300	Sq.m					
27	Providing Door sills/umra patti 20mm thick granite patti in stepping manner with chamfered edge polishing on both side faces 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.	5	Sq.m					
28	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.	100	Kg					
29	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.	100	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
30	Supplying,installing, testing and commissioning of White Color European Water closet - wall mounted with integral low level PVC flushing cistern- 'P' or trap including following accessories: solid seat and cover with rubber buffers and flap, brackets, brass screws with washer, 15mm CP Angle valve with connection tube,CP wall flange, pan connector, CI chair bracket,all hardware items like wallbrackets bolts washers & screws & brackets to be painted with two coats of enamel paint of approved shade over a coat of primer and necessary screws,etc.complete. Works including cutting and making good the walls /floor wherever required, etc., complete. [Make: Hind ware wall mounting water closet studio model no:20058 and 15mm CP Angle valve with connection tube model no: CON-053-KN and PVC Cistern of Parryware/Hindware/flush line or equivalent] All as directed by Engineer-in-charge.]	2	Each					
31	Supplying , fixing in position and testing C.P. health faucet wall hook one metre long flexible tube, angle cock with wall flange all complete including cutting and making good the walls wherever required. [Make:Jaquar CP Double Coat hook - Model -AKB 35761]	2	Each					
32	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	5	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
33	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	18	Rm					
	b) 75mm dia C.I. waste pipe	18	Rm					
34	Providing & fixing 75 mm dia Nahani traps with C.P. grating on top etc. complete.	4	Nos.					
35	Providing, laying, jointing, fixing & testing 15mm dia G.I. 'C' class IS standered open or concealed including chase cutting in wall for hot and cold water supply , G.I. tested fittings or laid underground with necessary excavation, refilling & leveling & fitting heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.All as directed by Engineer-in-charge.	26	Rm					
36	Providing & fixing various types of valve & cocks & other fittings flat etc complete.							
	a) 15 mm dia C.P. Stop cock	8	Nos.					
	b) 15 mm dia C.P. Pillar cock	2	Nos.					
	c) 15 mm dia C.P. Shower	2	Nos.					
	d) 15 mm dia C.P. Bib cock	2	Nos.					
	e) 15 mm dia C.P. Long body bib cock	0	Nos.					
	f) 15 mm dia C.P. Mixer cock	2	Nos.					
	g) 15mm patti gate valve	4	Nos.					
	i)C.P. brass toilet paper holder of standard size	2	Nos.					
	h)Providing fixing CP soap dish holder of approved make: Jaquar Continental soap dish holder - Model - 1131N	2	Each					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
37	Fabrication work for M.S Grill/Door/Framing work etc.Providing , fabricating ,fixing and installing using MS angle (45mm x45 mm x 5mm), I section, nut-bolts , fastners, plates, angles, channels, flats etc. including cutting, bending, drilling holes , welding , placing at required position, embeded in concrete,every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only providing red oxide and two coats of enamel paint etc. for fencing work and MS gates complete in all respect as directed. (Location: Balcony)	200	Kg					
38	Supply and fixing Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm mosquito net fixing with nuts/bots/Screw with M.S Framing. M.S framing work will be paid separately under febrication item.	30	Sq.m					
39	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum sliding black powder coated window of two track with all necessary sections fixtures & fastenings in nylon casing & self locking latch fitted in vertical section, shutters including mosquito net with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge. [Location: Kitchen Ventilation]	2	Sq.m					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
40	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum 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 all as directed by Engineer-In-charge. [Location: Bathroom Ventilators]	2	Sq.m					
41	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 & 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) of standard size at toilet & bath as directed by engineer in-charge with all leads, lifts etc. complete MAKE: SINTEX/RAJSHRI or equivalent. Complete in all respect. [Location Bath room Door]	2	Sq.m					
42	Providing & fitting Stainless steel Curtain rods with end caps to doors & windows opening in position with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.	22	R.m					
43	Providing & fitting Mirror Cabinet above Wash basin in position having size 0.46 x 0.60 with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.	2	Nos.					
44	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT	% Service Tax %		
45	Providing & fitting C.P. finish make Jaguar/ Essco/Metro/Parryware, Bathroom/toilet accessories & fittings in position with all required screws, nuts, fittings & fixture etc. complete all as directed by Engineer-In-charge.							
	a) Towel Rod	2	Nos.					
	b) Ring to hold towel	2	Nos.					
46	Supplying and fixing cp Double Coat hook fixing with necessary screws etc., complete. Make:Jaquar cp Double Coat hook - Model - 1161	2	Nos.					
47	Providing and fixing glass shelf s.s framed of standard make Jaugwar or equivalent all as directed and approved by Engineer-in-charge	2	Nos.					
48	Making provision for washing machine in south-west corner balcony by providing water connection from nearest source and connecting water drainage to nearest gully trap/manhole chamber complete in all respect all as directed by Engineer-in-charge	1	JOB					
49	Making Door opening in existing balcony m.s grill by cutting and fixing M.S Frame & single leaf shutter approx. size 3'x7' M.S grill type similar in existing grill pattern including necessary fittings such as hinges, tower bolts and locking arrangement etc. all as directed by Engineers-in-charge. [Note: M.S fabrication work will be paid separately by weight under fabrication item.]	1	JOB					
50	Making provision for fixing WINDOW A.C including wall opening finishing complete in all respect all as directed by Engineer-in-charge.	2	JOB					
51	Making provision for fixing SPLIT A.C including core cutting and finishing complete in all respect all as directed by Engineer-in-charge.	2	JOB					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
					VAT %	Service Tax %		
52	Material and labour applying Heat shield coating Dr. fixit product as per manufactures specification and application procedure. Dr. Fixit heat shield coating (heat insulating exterior coating) reflectance , UV & IR resistant and microbial resistant for RCC roof water proofing treatment as per following specification : a) Surface to be applied upon must be free from dust, loose material, paint , oil or any other material which may impair adhesion. b)Mechanical means such as wire brushing and shot blasting can be use. Finally vaccume cleaning of all loose solids & liquid shall be done if require. c) All surface cracks upto 5mm width should be fill up with Dr. Fixit crack X or Dr. Fixit unifillers. d) Cracks more than 5mm width and all separation gaps	2744	Sq.Ft.					
53	Re-securing of door shutter by cutting from bottom due increase in floor level during tiling work. Resecuring the same to make operational complete. All as directed by Engineer-in-charge	10	Nos.					

SR. NO	DESCRIPTION OF WORK	QTY.	UNIT	Basic rate	Taxes		Total rate (basic+tax)	Amount
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54	Providing and laying factory made coloured chamfered edge Cement Concrete paver blocks of required strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer's specifications & direction of Engineer in-Charge. 60mm thick C.C. paver block of M-35 grade with approved colour, design & pattern.	75	sq.m.					
TOTAL (B)								
(C) Electrical Work								
55	point,gyeser point with /5/15Amp Light and Power points (Points directly controlled from Switch board or ,MCB D.B.) with 2X1.5 sq.mm FR PVC insulated copper conductor single core multistrand wires in surface / recessed medium class 2 mm thick 25 mm dia PVC conduit,including with modular switch,modular socket , modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required including fish wire, chasling & making good to the damage with wire mesh to original finish. Note:1.:Each Light points/fan points etc shall be considered as one Light points.Note:2.: Power points of 5A,5/15 Amp which is indepeddant shall be considered as one Light points under above categories.	10	points					
TOTAL (C)								
					Total (A+B+C) =			