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Tender Inviting Authority: Dean (Admin)

Name of Work: Washroom renovation work at old building of Institute for Plasma Research Campus, Bhat, Gandhinagar (IPR), – 382428, Gujarat

Contract No: IPR/TN/CIVIL/07/2024

Name of the Bidder/ Bidding Firm / Company :	
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PRICE SCHEDULE**(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are all detailed Specification, Contractor has to refer and follow Specifications Volume-I and Volume-II, 2019, CPWD (Central public works department) available on online CPWD portal ([b\) No debris shall be left over during the repair works under each item on any day. An area for 'Debris bins' will be identified on the request of contractor for collection of debris generated on day to day. The contractor must maintain adequate number of wheel borrows all the time for shifting the debris to Debris bin. If the debris lies around the building for more than 7 days, penalty @ Rs. 100/- per day s](https://cpwd.gov.in/Doc/equipment's, IS code etc. All the items are including scaffolding, curing, for all leads and lifts etc. In case of non-availability of detailed specification in CPWD 2019, Specification of the same shall be Engineer-In-Charge, whose decision shall be final. No extra shall be payable for execution of items as mentioned in Schedule of Quantities as a result of adopting detailed specification or India Stanc should be as per the approved make / brands / list attached in Tender document.</p>
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c) Disposal of debris, dismantled or waste material to be clear by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, same will be done in respective item. Permission to transport and dispose debris outside IPR campus shall be obtained by Contractor.

d) Wherever material are replaced with new one, quoted rate includes removing existing one and depositing the serviceable material at departmental store and disposing off debris outside campus.

e) Contractor has to abide by the "Construction & Demolition" work management plan as approved by IPR, AMC & any other regulations issued by the statutory authorities in the matter from time to time

f) Contractor shall take contractor's all risk insurance policy in respect of entire scope of work for entire period of contract and submit copy of the same before commencement of the work.

g). Contractor shall take care of existing service lines and other department properties while carrying out job & if any damage is done agency shall get it repair on his own cost.

h). Contractor has to make his own arrangements for regulating the traffic on the surrounding roads by putting up necessary Road Sign boards for Diversion, Men at Work, Danger, Work in Progr execution of work as directed by the Department.

i).The contractor will be required to pay the wages to the workers employed by him on work at the rates per month per labour as per minimum wages as amended from time to time in force of minimum w

j) For supply items, materials to be supplied as and when required and as instructed by engineer in charge.

k) Contractor shall provide suitable Personal protective Equipment (PPE) to all its workmen and Also follow safety regulations while working at sites.

l) The contractor must take full precautions that original brick work is not damaged while dismantling of plaster / tiles or stone ladding. Incase of any damage the same shall be made good with 26g c additional thickness of plaster if any will be made. Contractor must visit site and acquaint himself with the condition of building.

m) The contractor shall provide daily report stating the nature of work done to the Engineer-in-charge or to his authorized representative daily in the format. Measurement of work done will be taken jointl completion of work and signed by contractor and IPR official.

n) These work consist of repairing and renovation of toilet blocks situated at different buildings, different locations and heights up to 12 Mt and other related works inside campus. Contractor will be allowed to start the work at other toilet block after completion and handing over of earlier toilet block. There will be mutual understanding during tenure of contract i.e. up to completion of scope c sequence of work to be carried out and condition of buildings. Contractor must take precaution to avoid minimum disturbance to institute routine works. Decision of engineer in charge will be final and cr

o) Anti termite chemical and treatment - 1. Insecticides/Pesticides/Chemicals etc to be used for controlling of pest should be of public health grade duly approved as such: i) Safe for human beings. ii) India/other competent Govt. Body/Organization in safety as well as effectiveness. 2. The contractor shall be responsible for control of pest which will be include all types of Insects including termite, v weeds etc. 3. The firm should have professional trained personnel to carry out the pesticide treatment. 4. The contractor shall take all safety precautions. In connection with pest control works as per S fire hazard and they shall be held responsible and liable for any laxity in this regard. 5. The firm should follow the directives of Govt. health authorities/WHO for the pest control treatments. 6. The mat and strictly conforming to specifications, as per latest Indian Standard code of practice for Anti termite measure in building (IS 6313 part 3).

p) Rate includes preparing of as built drawing in Autocad or equivalent software i.e. water supply, drainage, toilet fittings and fixtures (conceal & open) for all renovated toilets and submit it to Institute.

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE In Figures To be entered by the Bidder in Rs. P including GST & all taxes	TOTAL AMOUNT Including GST & all Taxes in Rs. P
1	2	3	4	5	7	14

1	<p>Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.</p> <p>Note -</p> <p>1. Item to be applicable in urban areas having directions for restricted hours for movement / plying of load carrying motor vehicle of 3.5 cum or more.</p> <p>2. Voids @20% for solids and 50% for rock shall be deducted from fully loaded truck measurement to arrive at the net quantity for payment in case of direct measurement is not possible.</p> <p>3. The cost is inclusive of necessary permission from statutory authorities for dumping the debris/excess earth outside department premises</p>	item1	210.00	Cum		0.00
2	<p>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. For All kind of soil</p> <p>Note: Excavation need to be done Manually as per site condition.</p>	item2	60.00	Cum		0.00
3	<p>Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete in all respect as directed by EIC.</p>	item3	25.00	Cum		0.00
4	<p>Supplying chemical emulsion in sealed containers including delivery at site as specified.</p> <p>Chlorpyriphos/ Lindane emulsifiable concentrate of 20%</p>	item4	100.00	Litre		0.00
5	<p>Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :</p> <p>Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration</p>	item5	90.00	Metre		0.00
6	<p>Providing and injecting Chemical emulsion for PRE-CONSTRUCTIONAL Anti-termite treatment and creating a chemical barrier on top surface of plinth filling, junction of inside wall and floor as per IS 6313(part-II)-1981With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration. The emulsion is spread at 5 lit/sqm on top surface of plinth filling and at 1 lit/linear meter along the junction of wall and floor, all as per specifications and directions. (Carpet area of the toilet shall be measured)</p>	item6	240.00	Sqm		0.00
7	<p>Providing and constructing BRICK MASONRY in cement mortar as per mixes stipulated below using approved well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S.1077-1986) as specified below, including raking out joints 10mm deep wherever required, curing, etc; complete at all lead and lifts all as per specifications (The mix ratio specified is for cement : coarse sand) USING BRICKS OF CLASS DESIGNATION "3.5"(Minimum Average Compressive strength not less than 3.5 N/sqmm) In foundation and plinth in cement mortar 1:6. Price includes fixing of chair bracket/rag bolt into masonry Complete all as directed by EIC.</p>	item7	12.00	Cum		0.00

8	Providing and constructing HALF BRICK MASONRY walls/partitions in following mixes using approved well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S. 1077-1986) as specified below, including scaffolding, raking out joints, curing, etc; at all lead and lifts all as directed by the Engineer - in- charge. In SUPERSTRUCTURE UPTO FLOOR-V LEVEL. (The mix ratio specified is for cement : coarse sand) Using bricks of "class designation 3.5"(Minimum Average Compressive Strength not less than 3.5N/sqmm) In cement mortar 1:4 Complete all as directed by EIC. Price includes fixing of chair bracket/rag bolt into masonry.	item8	130.00	Sqm		0.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	item9	30.00	Cum		0.00
10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of required size and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth -Granite Stone of approved shade with both side polished	item10	15.00	Sqm		0.00
11	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab colour of Black, Cherry/Ruby Red or equivalent Note: Door sill of required size	item11	6.00	Sqm		0.00
12	Providing and laying anti slippary rectified Glazed Ceramic floor tiles of approved size (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) jointing with grey cement slurry @ 3.3 kg/ sqm, straight edge laid with a joints (between tiles) of 3 to 5 mm filled / grouted using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), cleaning etc., scaffolding, curing etc., at all leads and lifts at all heights & in all floors Complete all as directed by EIC. Note: The shade & Size of the tiles shall be got approved by the EIC.	item12	250.00	Sqm		0.00

13	<p>Providing and laying Rectified Ceramic tile on wall/dadoing in desired pattern of approved premium quality of size up to 600x300 mm or more (thickness to be specified by the manufacturer), colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 15622 and of specified sizes with straight edge laid with a joints (between tiles) of 3 to 5 mm filled / grouted using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), cleaning etc. and laid on 20 mm thick cement plaster (1 cement: 4 coarse sand) average & bed of 3 mm (average) cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477 and finishing to required level, scaffolding, curing etc. complete at all lead and lifts, all as per specifications and Complete all as directed by EIC.</p> <p>Note: The shade & Size of the tiles (size 600mm x 300 mm) shall be got approved by the EIC.</p>	item13	950.00	Sqm		0.00
14	<p>Dholpur stone slabs (Pink / Red) 18-20 mm thick polished/ rough in dado and pillars etc.in required design and pattern wherever required, stones of different finished surface texture, laid on 20 mm thick plaster / 35 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with white/grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete as directed by the Engineer-in-Charge.</p>	item14	80.00	Sqm		0.00
15	<p>Dholpur stone slabs (Pink / Red) 25 mm thick polished/ rough in risers/trade of steps, skirting etc.in required design and pattern wherever required, stones of different finished surface texture, laid on 35 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with white/grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete as directed by the Engineer-in-Charge.</p>	item15	65.00	Sqm		0.00
16	<p>15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)</p> <p>Note: Plaster should be wired finished to receive tiles for Dado works.</p>	item16	80.00	Sqm		0.00
17	<p>15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand)</p> <p>Note: The Plater should be of single coat Mala finished.</p>	item17	55.00	Sqm		0.00
18	<p>Cement plaster 1:3 (1 cement : 3 course sand) finished with a floating coat of neat cement 20 mm cement plaster</p> <p>Note: water proofing plaster for any lead and lift. Water proofing compound material shall be paid under respective item</p>	item18	350.00	Sqm		0.00
19	<p>Sand faced plaster- 18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough using wooden gutka.</p> <p>Note- This item is for patch work including any lead and list for all heights</p>	item19	40.00	Sqm		0.00

20	<p>Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge.</p> <p>Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).</p> <p>Plastering 25 mm average thickness in 2 layers.</p>	item20	50.00	Sqm		0.00
21	<p>Extra for providing and mixing water proofing compound / material as per IS 2645 in cement plaster work in proportion /doses by weight of cement recommended by the manufacturers.</p>	item21	90.00	Per Bags of cement		0.00
22	<p>Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.</p> <p>Note:- Removing of emulsion paint, white wash, oil paint or enamel paint for Internal wall, exterior paint on external wall (including washing), wood work, steel work etc. by sand paper, wire brush, roll paper etc. to receive fresh coat of paint is also covered under item. Rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.</p>	item22	400.00	Sqm		0.00
23	<p>Providing and applying white cement based putty two or more coat to achieve required finish on wall, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.</p> <p>Note:-for internal walls only, Rates includes scaffolding and sand papering of wall after putty. The thickness of putty should be 0.50 mm or more. Measurements will be done as per relevant IS Code</p>	item23	400.00	Sqm		0.00
24	<p>Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content-With water thinnable cement primer on wall surface having VOC content less than 50 grams/ litre</p> <p>Note:- For Internal wall only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC</p>	item24	400.00	Sqm		0.00
25	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.</p> <p>TWO coat</p> <p>Note:- Rates includes scaffolding, crack opening and filling with approved filler material. Measurements will be done as per relevant IS Code. Complete all as directed by EIC</p>	item25	400.00	Sqm		0.00

26	<p>Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.</p> <p>New /old work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm, including scrapping, sand papering and preparing the surface, complete in all respect as per the direction of Engineer-in-Charge.</p> <p>Note:- Rates includes scaffolding, surface preparation, crack opening and filling with approved filler material (filling cracks - SBR polymer with cement as per manufacturers specification). The paint coefficient will be 1.00 irrespective of applying on plain / sand face plaster / brick surface. No extra measurement will be paid for painting on rough or sand face plaster or brick surface with groove. Complete all as directed by EIC</p>	item26	100.00	Sqm		0.00
27	<p>Dismantling doors, windows and clearstorey windows (steel or wood) shutters including chowkhats, archi-trave, holdfasts, etc; complete and stacking within 50mtrs lead.</p> <p>Of area 3sqm and below.</p>	item27	82.00	No.s		0.00
28	<p>Dismantling stone slab/Kota flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.</p>	item28	180.00	Sqm		0.00
29	<p>Dismantling china mosaic dado laid in cement mortar & cement punning including stacking material within 50 metres lead</p> <p>For thickness of tiles 10 mm to 25 mm.</p> <p>Note- Dismantling the china mosaic dado with backing plaster and cleaning the surface in such a way that new plaster can be applied..</p>	item29	210.00	Sqm		0.00
30	<p>Dismantling tile work in Floor and dado laid in cement mortar & cement punning including stacking material within 50 metres lead</p> <p>For thickness of tiles 10 mm to 25 mm</p> <p>Note- Dismantling the glazed tiles dado with backing plaster and cleaning the surface in such a way that it can take new plaster.</p>	item30	480.00	Sqm		0.00
31	<p>Dismantling the old plaster or skirting, raking out joints, and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50mtr lead.</p>	item31	700.00	Sqm		0.00
32	<p>Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)</p>	item32	30.00	Cum		0.00
33	<p>Demolishing brick work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50mtrs lead.</p>	item33	10.00	Cum		0.00
34	<p>Demolishing brick bat cement concrete / cinder filling only manually means including disposal of material within 50 metres lead as per direction of Engineer - in - charge Nominal concrete 1:5:10 or leaner mix (i/c equivalent design mix)</p>	item34	25.00	Cum		0.00
35	<p>Providing and laying in position brick bat cement concrete of specified grade excluding the cost of centering and shuttering - All work up to any lead, height and level :</p> <p>1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 brick bats 65 mm nominal size)</p>	item35	40.00	Cum		0.00

36	<p>Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :</p> <p>(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.</p> <p>(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.</p> <p>The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.</p>	item36	250.00	Sqm		0.00
37	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 250 metres lead or as directed by EIC	item37	35.00	No.s		0.00
38	Dismantling of existing old water closet (EWC) with drainage pipe, bib cock, angle cock, pvc connection, seat cover, health faucet with valve, water supply line, flush valve and other connections of WC including disposal of unserviceable materials within 250m lead or as directed by EIC.	item38	35.00	No.s		0.00
39	Dismantling of existing old Urinal including granite/Marble partition, waste coupling, flushing pipe, pvc socket, stop cock, push cock, bottle trap, spreader and other connections of urinal including disposal within 250m lead or as directed by EIC.	item39	37.00	No.s		0.00
40	Dismantling of old wash basin with CI bracket support, pillar cock, angle cock/stop cock/waste coupling, botle trap, liquid soap container, waste pipe up to NT, towel rail and other connections including disposal within 250m lead or as directed by EIC.	item40	45.00	No.s		0.00
41	Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap. Note: Including dismantling of PCC, Brick work, plaster, CI cover, connecting pipes etc	item41	23.00	Each		0.00
42	Dismantling of Nahni Trap of various sizes including C.I. grating / cover with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap.	item42	88.00	Each		0.00
43	Dismantling of old cast iron pipe of different diameters (Approx length-25 m), GI pipes (Approx length- 25 m), including stacking of useful materials and disposal of unserviceable materials within 200 metres lead. - For one toilet Block (Ladies or Gents)	item43	20.00	Job		0.00
44	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	item44	35.00	No.s		0.00

45	Providing and fixing health faucet Cast brass grade LCB-2 of IS292/1983 (Faucet) of chrome finish with minimum 1 metre SS braided flexible rubber hose pipe, wall hook /holder and mounting fasteners etc of approved make and quality for water pressure 1-3 bar .Complete all as directed by EIC.	item45	35.00	No.s		0.00
46	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps Auto closing system Press matic type, 32 mm C.P. brass waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550 x 400 mm with single 15 mm C.P. brass pillar tap Auto closing system Press matic type Note- CP brass waste coupling suitable for wash basin (Full threaded or Half threaded)	item46	45.00	No.s		0.00
47	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, . This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. up to 1.00 Mt length (Bottle trap to Nahni trap) : 40 mm dia nominal bore NOTE: - washbasin drain line up to Nahni trap	item47	45.00	No.s		0.00
48	Providing and fixing C.P. brass angle valve with wall flange for basin mixer and geyser points of approved quality conforming to IS:8931- 15mm Weight of angle valve shall be 400 Gms (As per SAC SOR)	item48	160.00	No.s		0.00
49	Providing and fixing C.P. Brass heavy extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	item49	202.00	No.s		0.00
50	Providing and Fixing in position 15mm n.b. CP Brass bib cock with wall flange of approved make and quality conforming to IS:8931. 15 mm nominal bore	item50	41.00	No.s		0.00
51	Providing and fixing uplasticised braided PVC connection pipe with brass unions- 45 cm length 15 mm nominal bore	item51	160.00	No.s		0.00
52	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge	item52	45.00	No.s		0.00
53	Providing and fixing white vitreous china flat back urinal basin of 430x260x350 mm sizes respectively with 32 mm diameter CP brass heavy waste coupline of required size and threads	item53	37.00	No.s		0.00
54	Providing and fixing of the Urinal Valve Auto Closing System with Built-in Control Cock, Wall Flange and CP brass extension nipple with CP brass distribution pipe and CP brass heavy spreader of best approved quality as directed by EIC	item54	37.00	No.s		0.00
55	Providing and fixing P.V.C. waste pipe for Urinal including P.V.C. waste fittings complete. Flexible - 40 mm dia	item55	37.00	No.s		0.00
56	Providing and fixing toilet paper holder- C.P. brass	item56	35.00	No.s		0.00
57	Providing and Fixing in position best CP brass towel rail of approved make of 600 mm long with a pair of brackets or flanges fixed to wall with necessary screws, plugs, etc. all as specified and directed by EIC.	item57	32.00	No.s		0.00

58	Providing and fixing 5 mm thick best quality MIRROR - of required size with Rawl plug, CP Brass Screws of required size, Second class teak wood moulded frame of size 30 mm x 25 mm (finished) of approved quality, 12 mm thick water proof plywood as backing, laquare polishing of the exposed wood and plywood, including removing of existing mirrors, backside supporting ply woods and other fittings, stacking of useful material serviceable material at suitable place and disposing of debris outside campus etc.	item58	25.00	Sqm		0.00
59	Providing and Fixing in position wall mounted liquid soap container (Approx. 1000 ml) "Euronics ES04" stainless 304, brass cylinder, stainless steel spring with required fixing arrangement screws, washers etc, fixed to wall with necessary plugs etc. all as specified and directed by EIC.	item59	45.00	No.s		0.00
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.-15 mm nominal dia Pipes (Centre line fittings)	item60	20.00	Mtr		0.00
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.-20 mm nominal dia Pipes (Centre line fittings)	item61	180.00	Mtr		0.00
62	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.-25 mm nominal dia Pipes (Centre line fittings)	item62	20.00	Mtr		0.00
63	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing, cost of GI "Z" fittings and GI bolt clamps if required . This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.-40 mm nominal dia Pipes	item63	200.00	Mtr		0.00

64	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC (Class 1, SDR 11) plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same, cost of GI "Z" fittings and GI bolt clamps if required etc including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.-50 mm nominal dia Pipes	item64	150.00	Mtr		0.00
65	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. For External work - 40 mm dia nominal bore - B class	item65	80.00	Mtr		0.00
66	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. For External work - 50 mm dia nominal bore - B class	item66	170.00	Mtr		0.00
67	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type "B" of IS:13592 approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, converter if requires for connection to floor traps, chasing and restoring to original conditions, cost of GI "Z" fittings and GI bolt clamps etc, testing etc. complete. (Specials at junction of lateral pipe and and vertical stack must have access door for inspection. Air ventilation pipes including cowl shall be paid under this item) Complete all as directed by EIC. Note: Rate including connection with existing chambers / existing drainage line and making good including plastering / water tight joint etc.-75 mm dia (Min.wall thickness 3.20 mm)	item67	250.00	Mtr		0.00
68	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type "B" of IS:13592 approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, converter if requires for connection to floor traps, chasing and restoring to original conditions, cost of GI "Z" fittings and GI bolt clamps etc, testing etc. complete. (Specials at junction of lateral pipe and and vertical stack must have access door for inspection. Air ventilation pipes including cowl shall be paid under this item) Complete all as directed by EIC. Note: Rate including connection with existing chambers / existing drainage line and making good including plastering / water tight joint etc.-110 mm dia (Min.wall thickness 3.20 mm)	item68	380.00	Mtr		0.00
69	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet - Sand cast iron S&S as per IS: 3989	item69	60.00	No.s		0.00

70	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet - Sand cast iron S&S as per IS: 3989	item70	55.00	No.s		0.00
71	Providing and fixing stainless steel (SS-304) heavy approved quality perforated floor drain cover with cockroach trap 150x150 of required size and design including cutting of floor if required, fixing in cement punning, cleaning etc as complete as directed by Engineer in charge.	item71	115.00	No.s		0.00
72	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 150x100 mm size P type -With common burnt clay F.P.S. (non modular) bricks of class designation 3.5	item72	22.00	No.s		0.00
73	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm nominal bore - ISI marked	item73	11.00	No.s		0.00
74	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 40 mm nominal bore - ISI marked	item74	10.00	No.s		0.00
75	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 50 mm nominal bore - ISI marked	item75	17.00	No.s		0.00
76	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling to be paid for separately) : for fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	item76	774.00	kgs		0.00
77	.-Do- as per item above - For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	item77	630.00	kgs		0.00
78	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	item78	15.00	Sqm		0.00

79	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With frosted glass panes of 4 mm thickness (weight not less than 10.00 kg/sqm)	item79	15.00	Sqm		0.00
80	Supplying and fixing wired glass of 6mm thick with good glazing quality to be fixed in doors / windows / ventilators, frames, including providing and fixing heavy duty aluminium beading of size 10 x 10mm channel, including cutting, fixing in Aluminium frames complete cost of beading, screws, necessary fittings, putty, but excluding cost of frames. (The cost of frames & beading will be paid separately elsewhere as an item) all as per specifications and as directed by EIC.	item80	45.00	Sqm		0.00
81	Providing and fixing compact sheet of 5 mm thickness and approved shade of approved Make inside wooden/Aluminium partition / door etc; with EPDM rubber / neoprene gasket etc complete all as per approved drawing, colour, design & direction by Engineer-in-charge. The finished size of the panel shall be measured and paid. The cut edges of the compact sheet shall be provided with masking tape. Rate also includes for providing hole compact sheet of required size and at required spacing.	item81	80.00	Sqm		0.00
82	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	item82	25.00	No.s		0.00
83	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 100X58X1.90 mm	item83	240.00	No.s		0.00
84	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	item84	116.00	No.s		0.00
85	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 300x10 mm	item85	82.00	No.s		0.00

86	<p>Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :</p> <p>3 mm thick</p> <p>Note: APP membrane to be apply over GI water supply line (conceal / under ground / open)</p>	item86	40.00	Sqm		0.00
87	Providing and fixing in position CP Brass DOUBLE COAT HOOK (Heavy quality) with CP Brass Screws complete at all heights and directed by Engineer In charge.	item87	35.00	No.s		0.00
88	Providing and fixing G.I. Union (heavy quality) in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :-40 mm nominal bore	item88	20.00	No.s		0.00
89	Providing and fixing G.I. Union (heavy quality) in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :-50 mm nominal bore	item89	30.00	No.s		0.00
90	Raising of existing manhole / chamber of inside size upto 1200 mm x 900 mm by upto 300 mm with RCC-1:1.5:3 including shuttering, curing, finishing, plastering of exposed and inside surface, making rough for existing rcc surface and all other required activity as dedided by EIC.	item90	8.00	No.s		0.00
91	Raising of existing manhole / chamber of inside size upto 900 mm x 800 mm by upto 300 mm with RCC-1:1.5:3 including shuttering, curing, finishing, plastering of exposed and inside surface , making rough for existing rcc surface and all other required activity as dedided by EIC	item91	4.00	No.s		0.00

92	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 3.5	item92	3.00	No.s		0.00
93	Supplying Ductile Iron Manhole cover of approved size, Grade, Load bearing capacity, shape etc. of required weight. (Payment for Fixing of cover / concrete / plaster etc. will be done under respective item).	item93	1300.00	kgs		0.00
94	Making Connection with 50mm dia or any other dia existing G.I. line, with new line of 50/40/25 mm dia of GI pipe including the providing of required fittings, threading if required with all necessary tools and tackles including all specials, threading in existing GI line etc. at all heights/levels/floor/terrace all complete as specified or as directed by the Engineer-In-Charge. Note: The Job is also to include excavation for finding under ground existing water supply line in particular area required for making connection & refixing the same after completion of work.	item94	10.00	Per connection		0.00
95	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete : For pipes 100 to 250 mm diameter	item95	22.00	Per connection		0.00

96	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge</p> <p>GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.</p>	item96	80.00	Sqm		0.00
97	<p>Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge</p> <p>50mm average thickness</p>	item97	50.00	Sqm		0.00
98	<p>Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.</p> <p>Bars upto 12 mm diameter</p>	item98	200.00	Rmt		0.00
99	<p>Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.</p> <p>SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer</p>	item99	50.00	Sqm		0.00
100	<p>Providing and fixing GI hexagonal chicken wire mesh of size 12mm x26g at the junction of dissimilar surfaces of brick masonry wall and RCC</p>	item100	300.00	Sqm		0.00

101	Core cutting using tools for making hole of 75 mm dia for in wall with cladding, plaster, brick masonry etc - up to 450 mm width including anchor fastners, hand operated machine etc	item101	22.00	Per hole		0.00
102	Core cutting using tools for making hole of 100 mm dia for in wall with cladding, plaster, brick masonry etc - up to 450 mm width including anchor fastners, hand operated machine etc	item102	22.00	Per hole		0.00
103	Core cutting using tools for making hole of 150 mm dia for in wall with cladding, plaster, brick masonry etc - up to 450 mm width including anchor fastners, hand operated machine etc	item103	22.00	Per hole		0.00
104	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. - 5 mm x 5 mm size including of using abro tape etc.	item104	880.00	Rmt		0.00
105	<p>Providing and fixing wall mounted Vertical Swing "U- type" Hinged Grab bar of standard size and dimensions as per manufacture's specification with all necessary fittings such as screws, filler plugs etc. all complete as per manufacture's specification to hold in position & orientation complete all as directed by the Engineer-In-Charge.</p> <p>Note: (1) The Hinged type Grab Bar should incorporates a safety anchoring system that blocks the bar in vertical position and avoids it falling down accidentally. (2) The Length of the Vertical Hinged should be minimum 700mm. (3) The Material Should be of SS 304. (4) The dia of the SS tube should not be less than 32mm & thickness of the tube should be minimum 1.5mm (5) The Flange size should not be less than 200mm x 80mm</p>	item105	1.00	No.s		0.00
106	Providing and fixing wall mounted SS Grab bar Fixed type of minimum 600mm long as per manufacture's specification with all necessary fittings such as screws, filler plug etc. all complete as per manufacture's specification to hold in position & orientation, complete all as directed by the Engineer-In-Charge.	item106	4.00	No.s		0.00
107	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish, sand etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in- Charge. Note:- Special care to be taken while removing to avoid breaking of paver block.	item107	5.00	Sqm		0.00
108	Providing and laying 60mm thick factory made semi reflective heavy duty cement concrete interlocking zig zag shaped paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	item108	5.00	Sqm		0.00

109	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	item109	4.00	Cum		0.00
110	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	item110	12.00	Sqm		0.00
111	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more	item111	300.00	Kg		0.00
112	Providing and fixing C.P. brass shower rose with 15 to 20 mm inlet: 150 mm diameter.	item112	3.00	No.s		0.00
113	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. For External work - 25 mm dia nominal bore - B class	item113	18.00	Mtr		0.00
114	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required. Orissa pattern W.C. Pan of size 580 x 440 mm with integral type foot rest.	item114	1.00	No.s		0.00
115	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. For External work - 80 mm dia nominal bore - B class	item115	40.00	Mtr		0.00
116	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type "B" of IS:13592 approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, refilling, converter if requires for connection to floor traps, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and and vertical stack must have access door for inspection) Complete all as directed by EIC. Note: Rate including connection with existing chambers / existing drainage line and making good including plastering / water tight joint etc.-160 mm dia (Min.wall thickness 4.00 mm)	item116	60.00	Mtr		0.00
117	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 80 mm nominal bore - ISI marked	item117	2.00	Nos.		0.00
118	Providing and fixibg of Stainless steel kitchen sink - with drain board 510x1040 mm bowl depth 250 mm with 15mm CP brass pillar cock Long Neck with Aerator including necessary cutting of granite, SS waste coupline suitable for sink, drain line up to NT, required fastners complete	item118	1.00	Nos.		0.00

119	Kota stone slab (polished or rough) flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	item119	10.00	Sqm		0.00
120	Providing Plumber with helper for miscellaneous plumbing works with required plumbing tools and tackles etc, as directed by Engineer in charge. Any Consumable material will be provided by Institute.	item120	10.00	Per Day		0.00
121	Providing Mason with helper for miscellaneous civil works with required masonry tools and tackles etc, as directed by Engineer in charge. Any Consumable material will be provided by Institute.	item121	10.00	Per Day		0.00
Total in Figures						0.00
Quoted Rate in Words						INR Zero Only

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