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Item Rate BoQ

Tender Inviting Authority: Dean (Admin)

Name of Work: Construction of additional Toilet Block & Ramp at Ground Floor Guest House at Institute for Plasma Research campus,Bhat, Gandhinagar-382428, Gujarat

Contract No: IPR/TN/CIVIL-PR/03/2022

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 allowed to enter the Bidder Name and Values only)

"Note:-

1. The items of the work as mention below are to be carried out as per the details mentioned in CPWD Specification 2019 (Volumn -I and II).

2. In case of non-availability of detailed specification in CPWD 2019, Specification of the same shall be executed as per clauses mentioned in GCC and / or as directed by 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 Standard of relevant or Other Standards thereon.

3. All respective items should be as per the Preferred make / brands / list attached in Technical Bid.

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
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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	TOTAL AMOUNT In Words
1	2	3	4	5	7	14	15
1	Supplying chemical emulsion in sealed containers including delivery as specified, with Chlorpyriphos/ Lindane emulsifiable concentrate of 20%,.	item1	78.00	litre		0.00	INR Zero Only
2	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	item2	129.00	sqm		0.00	INR Zero Only
3	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration.	item3	46.00	metre		0.00	INR Zero Only
4	Earth work in excavation 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 up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. Note: Excavation need to be done Manually as per site condition.	item4	29.00	cum		0.00	INR Zero Only

5	<p>Earth work in excavation by manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead up to 50 m and lift up to 1.5 m, as directed by Engineer-in charge. All kinds of soil.</p> <p>Note: Excavation need to be done Manually as per site condition.</p>	item5	38.00	cum		0.00	INR Zero Only
6	<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 up to 10 km for all lifts, complete as per directions of Engineer-in-charge.</p> <p>Note: The place of disposal shall be identified by the contractor.</p>	item6	33.00	Cum		0.00	INR Zero Only
7	<p>Providing and Constructing Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand), Complete in all respect as directed by EIC.</p>	item7	15.00	cum		0.00	INR Zero Only
8	<p>Providing and Constructing Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand),Complete in all respect as directed by EIC. .</p>	item8	19.00	cum		0.00	INR Zero Only
9	<p>Providing and constructing Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 5.0 in superstructure above plinth level up to floor V level, in Cement mortar 1:4 (1 cement :4 coarse sand) Complete in all respect as directed by EIC.</p>	item9	26.00	sqm		0.00	INR Zero Only
10	<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>	item10	13.00	cum		0.00	INR Zero Only

11	Providing and laying in position Plain 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),Complete in all respect as directed by EIC.	item11	15.00	cum		0.00	INR Zero Only
12	Providing and laying in position specified grade of Reinforced cement concrete excluding cost of centering, shuttering, finishing and reinforcement : All works up all height including Coping, Floors, lintel beam etc. 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), complete all as per specifications or in all respect as directed by the EIC.	item12	16.00	cum		0.00	INR Zero Only
13	Providing and fixing Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers,complete all as per specifications or in all respect as directed by the EIC.	item13	31.00	sqm		0.00	INR Zero Only
14	Providing, laying, position and fixing of Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding with soft drawn annealed binding wire of dia not less than 1mm with 2 stands etc., all complete up to all level. Complete in all respect as directed by EIC. Thermo-Mechanically Treated bars of grade Fe-500D or more ,Complete in all respect as directed by EIC.	item14	842.00	kg		0.00	INR Zero Only
15	Providing and fixing M.S. hand rail/Other sections of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works Item to include applying yellow zinc chromate priming coat ,Complete in all respect as directed by EIC. Note: The Item includes fixing of M.S. plate, which shall be measured in KG and paid under this Item.	item15	242.00	kg		0.00	INR Zero Only
16	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade over M.S./Plate or any other section of any Sizes. Two or more coats on new work., Complete in all respect as directed by EIC. Note: Actual area of painted surface of each element shall be measured and paid in square meter. Rate for the item is to be quoted considering the mode of measurement as above.	item16	4.00	sqm		0.00	INR Zero Only

17	<p>Providing and laying CEMENT PLASTER 12 mm cement plaster of mix : 1:4 (1 cement : 4 sand),Complete in all respect as directed by Engineer-In-Charge.</p> <p>Note: The Plater should be of single coat Mala finished.</p>	item17	145.00	sqm		0.00	INR Zero Only
18	<p>Providing and laying CEMENT PLASTER 12 mm cement plaster of mix : 1:4 (1 cement : 4 sand),Complete in all respect as directed by Engineer-In-Charge.</p> <p>Note: Plaster should be wired finished to receive Vitrified tiles for Dado works.</p>	item18	132.00	sqm		0.00	INR Zero Only
19	<p>Providing and laying 18 mm SAND FACED cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand).finished rough with wooden float, Complete in all respect as directed by EIC.</p>	item19	5.00	sqm		0.00	INR Zero Only
20	<p>Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete, in all respect as directed by EIC.</p> <p>Note: For Internal Surface</p>	item20	165.00	sqm		0.00	INR Zero Only
21	<p>Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface, Complete in all respect as directed by EIC.</p> <p>Note: For Internal Surface</p>	item21	165.00	sqm		0.00	INR Zero Only
22	<p>Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work,Complete in all respect as directed by EIC.</p> <p>Note: For Internal Surface</p>	item22	165.00	sqm		0.00	INR Zero Only
23	<p>EXTERIOR FINISHING</p> <p>Providing, applying and Finishing walls with 100% superior type Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm),Complete in all respect as directed by EIC.</p>	item23	5.00	sqm		0.00	INR Zero Only

24	<p>Providing and laying Vitrified tiles of approved sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, Dado laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints.</p> <p>(Payment for grouting of joints to be made separately).</p> <p>Note: The Size of tiles shall be decide by the EIC.(i.e. any size up to 600mm x 600mm)</p>	item24	132.00	sqm		0.00	INR Zero Only
25	<p>Providing and laying GLAZED Vitrified tiles (GVT) in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, levelling system and rubber mallet for placing the tiles gently and easily,Complete in all respect as directed by EIC.</p> <p>Glazed Vitrified tiles Matt/Antiskid finish.</p> <p>Note: (a) The shade & Size of the vitrified tiles(i.e. any size up to 600mm x 600 mm) shall be got approved by the EIC.</p>	item25	43.00	sqm		0.00	INR Zero Only
26	<p>Providing and laying 25 mm thick Kota stone slab 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),Complete in all respect as directed by EIC.</p> <p>Note: The size of Kota stone should be of 580mm x 580mm.</p>	item26	75.00	sqm		0.00	INR Zero Only
27	<p>Providing and laying Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete in all respect as directed by EIC.</p> <p>Note: Rate for skirting to include providing 6 x10 mm neat groove on top i.e. on junction of plaster & Skirting.</p>	item27	4.00	sqm		0.00	INR Zero Only

28	<p>Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.</p> <p>Granite stone slab colour black, Cherry/Ruby red/Kashmiri White with Area of slab up to 0.50 sqm, Complete all as directed by the EIC.</p>	item28	2.00	sqm		0.00	INR Zero Only
29	<p>Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross 'T' of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.</p> <p>Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm.The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity <0.043 w/mK.</p>	item29	43.00	sqm		0.00	INR Zero Only

30	<p>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.</p> <p>For frame and 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.</p> <p>Colour Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 25),Complete in all respect as directed by EIC.</p> <p>Note: The Item includes all the fittings & fasteners required for completion of the work.</p>	item30	75.00	kg		0.00	INR Zero Only
31	<p>Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:</p> <p>30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws, Complete as directed by the Engineer-In-Charge.</p> <p>The Item is also including making necessary provision for fixing of air grill/air diffusers etc. as required for HVAC, including cutting in proper dimension.</p>	item31	12.00	sqm		0.00	INR Zero Only
32	<p>Providing & Fixing decorative high pressure 1.0 mm thick laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality, complete all as directed by the Engineer-In-Charge.</p> <p>Note: The rate is inclusive of all wastages . Net area will be measured & paid.</p>	item32	24.00	sqm		0.00	INR Zero Only
33	<p>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 will be paid separately elsewhere as an item) all as per specifications and as directed by EIC.</p>	item33	3.00	sqm		0.00	INR Zero Only

34	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 up to 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, all as per manufacture's specification or as directed by the Engineer-In-Charge.	item34	3.00	each		0.00	INR Zero Only
35	Supply and fixing of Stainless steel 304 tower bolt of size 8" (200mm x minimum 10 mm) for doors including fixing in position and adjusting for free and smooth movement etc. complete all as per the manufacturer's specifications and as directed by the EIC.	item35	5.00	each		0.00	INR Zero Only
36	Supplying and fixing mortice lock body as per manufacturer's specification, with stainless steel main and strike plate and with min.70mm cylinder with "key on one side and knob on other side" with appropriate specification straight edged bevelled or rotated as required, right or left handed as directed, suitable for single leaf shutters including making necessary recess in shutter and fixing the mortice lock with stainless steel screws, etc.; complete all as per manufacture's specification or as directed by the Engineer-In-Charge.	item36	2.00	each		0.00	INR Zero Only
37	Supplying and fixing mortice lock body as per manufacturer's specification, with stainless steel main and strike plate and with min.70mm cylinder "slot on one side and knob on other" side with appropriate specification straight edged bevelled or rotated as required, right or left handed as directed, suitable for single leaf shutters including making necessary recess in shutter and fixing the mortice lock with stainless steel screws, etc.; complete all as per manufacture's specification or as directed by the Engineer-In-Charge.	item37	5.00	each		0.00	INR Zero Only
38	Supply and fixing of mortise lock handle of Stainless Steel Grade 316 with euro profile and escutcheons in pair (a pair of 2 Nos) . of appropriate specifications as per manufacture's specification for doors including fixing in position and adjusting for free and smooth movement with all necessary adjustments to fix in place etc. complete all as per the manufacturer's specifications or as directed by the Engineer-In-Charge.	item38	7.00	each		0.00	INR Zero Only
39	Providing and fixing wash basin with C.I. brackets, 32 mm C.P. brass waste coupling of standard pattern, CP brass angle cock, CP brass bottle trap with necessary PVC pipe connections including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 550x 400 mm of superiors quality. Note: (1) Note: The shape of the Wash Basin shall be got approved by the EIC . (2)Sensor based Pillar is to be fixed, and same shall be measured & paid in the respective item of this tender.	item39	9.00	each		0.00	INR Zero Only

40	<p>Providing & fixing chrome plated brass battery based infrared sensor operated pillar cock, having foam flow technology. 15 mm nominal bore, Complete all as directed by the Engineer-In-Charge.</p> <p>Note: The Said pillar cock should be properly fixed and complete in all respect as directed by the EIC and should be compatible for wash basin considered as separate item of this tender.</p>	item40	9.00	each		0.00	INR Zero Only
41	<p>Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing:</p> <p>Rectangular shape 500 x 400 mm, complete all as directed by the EIC.</p>	item41	9.00	each		0.00	INR Zero Only
42	<p>Providing and fixing C.P. brass long body bib cock with wall flange of approved quality conforming to IS:8931 : 15 mm nominal bore having minimum length as 170mm and Multi/Full turn Cartridge and aerator for foam flow, complete all as directed by the EIC.</p>	item42	5.00	each		0.00	INR Zero Only
43	<p>Providing and Fixing in position 15mm n.b. C.P. Brass / SS, Health faucet of length not less than 1 meter as per Manufacture's specification, including holder & all fittings and fixtures etc., complete all for operational condition as per manufacture's specification or as directed by the Engineer-In-Charge.</p>	item43	5.00	Nos		0.00	INR Zero Only
44	<p>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 nominal bore, complete all as directed by the EIC.</p>	item44	5.00	each		0.00	INR Zero Only
45	<p>Providing and Fixing in position Concealed dual flush Metropole of 32mm size as per Manufacture's specification having flushing capacity of approx.. 2/4 litter dual flush with all fitting and fixtures etc., complete all for operational condition as per manufacture's specification or as directed by the EIC.</p>	item45	5.00	Nos		0.00	INR Zero Only
46	<p>Providing and fixing UPVC floor trap(NT) with 75mm dia outlet Single/Multi as required as per drawing or as instructed by the Engineer-In-Charge as per Manufacture's specification including connection with PVC soil / waste pipe, necessary 150mm thick CC 1:2:4 for embedding the trap including providing and fixing top rail and strainer on top of the trap etc. complete all as specified or as directed by the EIC.</p> <p>Note: The PVC soil/waste pipe will be paid separately in the respective item of this tender.</p>	item46	8.00	each		0.00	INR Zero Only

47	<p>Providing and fixing UPVC GT(Gully Trap)of size (160mm x110mm) for single/Multi Entry line for Solid Waste & other waste (i.e. Urinal/wash basin), as per Manufacture's specification including connection with PVC solid waste pipe & other waste pipe(i.e. Urinal/wash basin), necessary brick masonry chamber to house the GT with 150mm thick cement concrete 1:2:4 as required and directed by the Engineer-In-Charge for embedding the trap including providing and fixing of Cover on top of the G.T. etc. complete all as specified or as directed by the EIC.</p> <p>Note: The PVC soil/waste pipe will be paid separately in the respective item of this tender.</p>	item47	5.00	each		0.00	INR Zero Only
48	<p>Providing and fixing superior quality white vitreous china wall hung type water closet (European type W.C. pan) with soft closing solid seat and lid of heavy quality and matching colour suitable for selected model, conforming to IS : 7231, with all fittings including heavy quality chair suitable for wall hung WC and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked with soft closing solid seat and lid heavy quality and matching colour suitable for selected model.</p> <p>Note: The size & shape of the WC shall be got approved by the EIC .</p>	item48	5.00	each		0.00	INR Zero Only
49	<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>	item49	1.00	Nos		0.00	INR Zero Only
50	<p>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.</p>	item50	4.00	Nos		0.00	INR Zero Only
51	<p>Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.</p> <p>The size & Shape of the Urinal should be got approved by the Engineer-In-Charge.</p>	item51	6.00	each		0.00	INR Zero Only

52	Providing and fixing Granite Stone of approved shade slab with table rubbed, edges rounded and polished, of size 75x50 cm deep 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.	item52	2.00	sqm		0.00	INR Zero Only
53	Providing and fixing of Battery operated sensor based urinal flushing system as per manufacture's specification with necessary accessories, screwed to wall with rawl plugs and screws including connection with electrical point (if required) , etc. complete all for operational condition as per manufacture's specification or as directed by the Engineer-In-Charge. Note: The Said system should be properly fixed and complete, all as directed by the Engineer-In-Charge and should be compatible with Urinals considered as a separate Item of this tender.	item53	6.00	each		0.00	INR Zero Only
54	Providing and fixing of sensor based Liquid Soap Dispensers as per manufacture's specification screwed to wall with rawl plugs and screws etc., complete all for operational condition as per manufacture's specification or as directed by the Engineer-In-Charge. Note: (1) The Material of Sensor based Liquid Soap Dispenser should be of ABS & The same shall be got approved by Engineer-In-Charge. The same should be suitable for liquid soap and having lock and key arrangement. (2)The Liquid Soap Dispenser should have minimum capacity of 0.8L.	item54	5.00	each		0.00	INR Zero Only
55	Providing and fixing of Stainless Steel Napkin Ring with all necessary fitting and fasteners etc., complete all as per manufacture's specification to hold in position & orientation complete all as directed by the EIC.	item55	5.00	each		0.00	INR Zero Only
56	Providing and fixing of Hand Dryers as per manufacture's specification with all necessary fitting and fasteners etc. complete for operational condition to hold in position & orientation complete all, as directed by the EIC. Note: The Body Material Should be of Stainless Steel 304. The Minimum Effective Air Flow/ Blowing Volume should be 215 M3 per Hour.	item56	5.00	Nos		0.00	INR Zero Only
57	Providing and fixing toilet paper holder :C.P. brass. Note: The Size & Shape of the material should be got approved by the Engineer-In-Charge.	item57	5.00	each		0.00	INR Zero Only

58	<p>Making a hole of 800mm dia in the 230 mm thk RCC wall using Core cutter , including scaffolding (if required) using necessary tools & tackle (Stich core cutting is allowed but the final result should be smooth finished obtained with GP-2 grout, complete finished 800mm dia core) complete all, as directed by the Engineer-In-Charge.</p> <p>Note: (1)Rate to include the cost for structural strengthening arrangement of hole finished smooth by using GP-2 Grout as per Manufacture's specification and as decided by the Engineer-In-Charge. (2) Rate to include cutting,stacking of steel reinforcements and disposal of debris & materials within 1 K.M. lead etc. all complete including finishing complete all as directed by the Engineer-In-Charge. (3)The place of disposal shall be identified by the contractor.</p>	item58	2.00	Job		0.00	INR Zero Only
59	<p>Making a hole of 150mm dia in 230mm thk R.C.C wall using Core cutter, including excavation(if required for mounting arrangement of the machine) with all necessary tools & tackles, work including cutting,stacking of steel reinforcements and disposal of debris & materials within 1 K.M. lead etc. all complete including finishing complete all as directed by the EIC.</p> <p>Note: (1)The Rate is also inclusive for making all arrangement required at site for Core Cutting work. (2) The place of disposal shall be identified by the contractor.</p>	item59	4.00	Job		0.00	INR Zero Only
60	<p>Making a hole of 100mm dia in 230mm thk R.C.C wall using Core cutter, including excavation(if required for mounting arrangement of the machine) with all necessary tools & tackles, work including cutting,stacking of steel reinforcements and disposal of debris & materials within 1 K.M. lead etc. all complete including finishing complete all as directed by the EIC.</p> <p>Note: (1)The Rate is also inclusive for making all arrangement required at site for Core Cutting work. (2) The place of disposal shall be identified by the contractor.</p>	item60	5.00	Job		0.00	INR Zero Only
61	<p>Making one number cut-out of 300mm x 600mm in 230mm thk Brick Masonry wall including scaffolding (if required) with all necessary tools & tackles ,the cut out should be finished with plaster, and disposal of debris & materials within 1 K.M. lead etc. all complete as directed by the EIC.</p> <p>Note: The place of disposal shall be identified by the contractor.</p>	item61	1.00	Job		0.00	INR Zero Only

62	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.</p> <p>Internal work - Exposed on wall</p> <p>As above for Internal works - 40mm n.b., complete in all respect as directed by the EIC</p>	item62	13.00	metre		0.00	INR Zero Only
63	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot & cold water supply, including all CPVC 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.</p> <p>Concealed work, including cutting chases and making good the walls etc.</p> <p>As above for 32 mm nominal dia Pipes</p>	item63	31.00	metre		0.00	INR Zero Only
64	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot & cold water supply, including all CPVC 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.</p> <p>Concealed work, including cutting chases and making good the walls etc.</p> <p>As above for 25 mm nominal dia Pipes</p>	item64	18.00	metre		0.00	INR Zero Only
65	<p>Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 40 mm nominal bore, complete all as per specification or as directed by the Engineer-In-Charge.</p>	item65	1.00	each		0.00	INR Zero Only
66	<p>Providing, Laying and Fixing in position, under floor, against wall in chases PVC SWR Drainage pipes conforming to Type "B" of IS:13592 including specials, rubber rings, etc. as per manufacturers specification including cutting the pipes to required lengths, necessary excavation (if any), chasing in walls, testing & commissioning etc. complete all as per specification or as directed by the Engineer-In-Charge.</p> <p>As above for PVC(SWR) pipe of 75mm dia</p>	item66	41.00	metre		0.00	INR Zero Only

67	<p>Providing, Laying and Fixing in position, under floor, against wall in chases PVC SWR Drainage pipes conforming to Type "B" of IS:13592 including specials, rubber rings, etc. as per manufacturers specification including cutting the pipes to required lengths, necessary excavation (if any), chasing in walls, testing & commissioning etc. complete all as per specification or as directed by the Engineer-In-Charge.</p> <p>As above for PVC (SWR) pipe of 110mm dia</p>	item67	29.00	metre		0.00	INR Zero Only
68	<p>Making Connection with 65mm dia or any other dia existing G.I. line, with new line of 40 mm dia of CPVC pipe including the providing of union, coupler, T-joint, Male thread (M.T. PVC) & PVC solvent and other specials 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.</p> <p>Note: The Job is also to include removal of aluminium covering over existing G.I. line in particular area required for making connection & refixing the same after completion of work.</p>	item68	1.00	Job		0.00	INR Zero Only
69	<p>Making Connection of 75mm dia (5 Nos) & 110mm dia SWR PVC pipes (4 Nos) with the existing chamber including the removal & refixing the existing Kota stone including excavation up to invert level of Chamber (Maximum up to 1.0 meter from NGL) & making the hole (nos. as required) for pipes entry (i.e. 75mm dia 5 nos & 110mm dia 4 nos) in the chamber and finishing with Cement Concrete of mix 1:2:4 after fixing the pipes of 75mm dia & 110mm dia & checking the leak-proof joint etc. all complete as specified or as directed by the EIC.</p>	item69	1.00	Job		0.00	INR Zero Only

70	<p>Demolishing & Dismantling work carefully in existing toilet block for the below mentioned activities including disposal of debris & unserviceable material out side campus etc., complete all as per specification or as directed by the Engineer-In-Charge.</p> <p>1.Demolishing of existing partition brick masonry wall of existing toilet of dimension 1.0m (width) x 3.0 m (height) along with vitrified tiles.</p> <p>2.Dismantling of existing tile work fixed on floors/walls/dado and dismantling of old plaster work and raking out joints,including cleaning & preparing the surface for receiving new plaster. for about approx. area of 26 Sqm etc. in the above said existing toilet block.</p> <p>3. Removing carefully existing wooden door shutter of size 0.750m(width) x 2.2m (height) along with door frame of aluminium including wired glass on the top of door, holdfasts. etc.</p> <p>4.Careful Removing of mirror Glass two nos of Sizes (a) 1.5m x 1.2m & (b) 0.6m x 1.2m. including framing etc., if any.</p> <p>5.Carefully Removing of existing Hand Wash Basin along with all fittings etc.</p> <p>6.Carefully Removing of existing Water Closet (WC) including seat cover, bib tap, health faucet & Cistern including angle cock, connection pipe, pvc inlet pipe.</p> <p>Note: 1.The serviceable & un-serviceable material will be decided by EIC. 2. The Serviceable material should be stack within Institute as directed by the EIC. 3. All the debris should be properly disposed outside the campus. 4. The place of disposal shall be identified by the contractor.</p>	item70	1.00	Job		0.00	INR Zero Only
71	<p>Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.</p> <p>Note: The serviceable & un-serviceable material will be decided by Engineer-In-Charge.</p>	item71	16.00	sqm		0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only
Quoted Rate in Words						INR Zero Only	