

Validate

Print

Help

[Item Rate BoQ](#)

Tender Inviting Authority: Dean (Admin)

Name of Work: Civil Repair and Repainting Works at Old Building and Other Facilities at IPR Campus, Bhat, Gandhinagar -382428.

Contract No: IPR/TN/CIVIL/06/2026

Name of the Bidder/ Bidding Firm / Company :							
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:- a) For detailed Specification, Contractor has to refer and follow Specifications Volume-I and Volume-II, 2019 of CPWD or the latest version issued by CPWD (Central public works department) available on online CPWD portal (https://cpwd.gov.in/Documents/cpwd_publication.aspx) including material, workmanship, 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 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. All respective items should be as per the approved make / brands / list attached in Tender document. 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 basis. The Debris from debris bin shall be cleared every month. 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 shall be levied. 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 up to 10 km for all lifts, complete as per directions of Engineer-in-charge. Payment of the same will be done in respective item. Permission to transport and dispose debris outside IPR campus shall be obtained by Contractor. d) 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 & agency has to deposit Bank Guarantee/ deposit as required. e). 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. f). 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. g). 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 Progress, Diversions/ change of directions etc. at his own cost during execution of work as directed by the Department. h).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 wages Act 1948 and as per provisions in contract conditions. i) Contractor shall provide suitable Personal protective Equipment (PPE) to all its workmen and also follow safety regulations while working at sites. j) The contractor must take full precautions that original brick work is not damaged while dismantling of plaster / tiles or stone cladding. In case of any damage the same shall be made good with 26g chicken wire mesh at his own cost. No separate payment for any additional thickness of plaster if any will be made. Contractor must visit site and acquaint himself with the condition of building. k) 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 jointly and record in the registers on daily basis / weekly basis or after completion of work and signed by contractor and IPR official. (L) This work also includes repainting and repair works in approximately 20–25 office rooms where staff are currently seating. During execution of the work, the staff occupying these rooms will have to be temporarily shifted to alternate locations. In order to minimize inconvenience to these staff and ensure smooth functioning of the office, these works shall be taken up and completed on utmost priority. Due to the limited availability of alternate accommodation, all rooms cannot be handed over to the Contractor simultaneously. Rooms will be handed over for execution in 4–5 phases, preferably 5–6 rooms at a time. The bidder shall therefore consider the above phased execution requirement while quoting the bid.							
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
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	Removing dry or oil bound distemper, plastic emulsion paint, limewash, colourwash, and the like by scrapping, sand papering, grinding and preparing the surface smooth including necessary repairs to scratches etc. complete. Note:- Removing of emulsion paint, white wash, oil paint or enamel paint ,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, complete all as directed by EIC. Measurements will be done as per relevant IS Code.	item1	2080.00	Sqm		0.00	INR Zero Only
2	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. 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	item2	2080.00	Sqm		0.00	INR Zero Only
3	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 (or oil based primer for AC Duct only) having VOC content less than 50 grams/ litre. Note:- For Internal wall only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.	item3	2080.00	Sqm		0.00	INR Zero Only
4	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 In TWO coat. Note:- Rates includes scaffolding, crack opening and filling with approved filler material (filling cracks - SBR polymer with cement as per manufacturers specification). Measurements will be done as per relevant IS Code. Complete all as directed by EIC.	item4	2080.00	Sqm		0.00	INR Zero Only
5	Providing and applying white cement based Exterior grade water proof,water-resistant and polymer-modified wall care putty of two or more coats over plastered surfaces to achieve premium, water-resistant, smooth, even, durable, and weather-resistant finish surface before painting coat, of approved brand and manufacturer. Note:- For external walls only, Rates includes scaffolding ,surface preapparation by sand papering of wall after putty. The thickness of putty should be 0.75 mm or more. Measurements will be done as per relevant IS Code	item5	8539.00	Sqm		0.00	INR Zero Only

6	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. 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. Note:- Rates includes scaffolding, surface preparation, removing of old paint / lime washing as required, appying wire brush on existing surface, washing, 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	item6	14182.00	Sqm		0.00	INR Zero Only
7	Providing and Applying two coats of Synthetic enamel paint on old doors and windows, MS members using 1st quality paint from approved manufacturer of approved colour and shade to give an even shade including scaffolding, removing of old existing paint that is soft, blistered, loose or flanking & cleaning old surface, preparing the surface to receive paint including filling cracks and creaves with Putty or other approved filler materials, applying oil primer coats / anti corrosive zinc based yellow primer to steel work. cost also includes thinner, filler, putty, primer and other materials, necessary labours etc. complete as directed by Engineer in charge at all heights, in all floors. Note:- Measurements of doors and windows will be taken as per relevant IS code. Surface area of all MS Members will be taken for measurement (1) Synthitic enamel Paint of approved brand (2) Zinc based yellow Primer (3) Putty suitable to Mild steel members of approved brand (4) Putty on wood work - oil base putty	item7	651.00	Sqm		0.00	INR Zero Only
8	Finishing with 2 pack exterior Epoxy paint (two or more coats on old /new surface) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat with epoxy primer (Protectomastic RPL Coating), preparation of MS surface, etc complete in all respect as per the direction of Engineer in Charge. Note:-Paint will be applied on Mild steel , Rates includes scaffolding, removing old paint with using paint remover if necessary . The surface area of MS members (MS stair inside of overhead water tank.) will be measured and paid.	item8	1010.00	Sqm		0.00	INR Zero Only
9	Lacquer polishing : Two or more coats on new/old works including a coat of wood filler and preparing the surface to receive coats of polishing.	item9	175.00	Sqm		0.00	INR Zero Only
10	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm). Note rates are inclusive necessary scaffolding and taking out old damage glass and all necessary to complete the work.	item10	12.00	Sqm		0.00	INR Zero Only

11	Renewing glass panes, with wooden fillets : Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm). Note rates are inclusive necessary scaffolding and taking out old damage glass and all necessary to complete the work.	item11	7.00	Rmt		0.00	INR Zero Only
12	Supplying Polysulphide sealant in sealed (Pour grade / Gun grade) containers including delivery at site as specified.	item12	20.00	Kg		0.00	INR Zero Only
13	Providing Mason (skilled) with helper for repairing of beam/column/rcc /brick/filling and removing and relaying of polysulphide materials in expansion joints and other buildings repairing related works etc. with required masonry tools and tackles, stacking of materials within IPR Campus as directed by EIC. Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them	item13	15.00	Per Bag		0.00	INR Zero Only
14	Providing Carpenter (skilled) with helper for repairing of wooden work inside buildings where repairing related works etc. with required carpentry tools and tackles, stacking of materials within IPR Campus as directed by EIC. Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them.	item14	15.00	Per Bag		0.00	INR Zero Only
15	Providing Welder (skilled) with helper for welding or repairing work of MS Grill, grating, ISMB, MS hollow section joints and other buildings repairing related works etc. with required welding tools and tackles, stacking of materials within IPR Campus as directed by EIC. Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them	item15	7.00	Per Bag		0.00	INR Zero Only
16	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. Note:- Rates includes scaffolding ,staging & surface preparation. Measurement will be taken in actual area to work to be done, no additional labour rate will be made. Work to be complete in all respect as directed by EIC.	item16	252.00	Sqm		0.00	INR Zero Only
17	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 50mm average thickness	item17	19.00	Sqm		0.00	INR Zero Only
18	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 75mm average thickness	item18	17.00	Sqm		0.00	INR Zero Only

19	Providing and applying of zincrich primer with solvent (as specified by manufactures) as a protective coating to steel reinforcement including 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 including all complete as per direction of Engineer-In-Charge. Bars up to 12 mm diameter	item19	121.00	Rmt		0.00	INR Zero Only
20	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC or masonry work as per specifications and direction of Engineer-In-charge complete in all respect. 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.	item20	255.00	Sqm		0.00	INR Zero Only
21	Providing & Applying polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in 2(two) coats @18.20 kg /10 sqm. 1st coat of Acrylic cementitious waterproofing polymer(dilution with 2 part of cementitious with 1 part of liquid chemical additive) and After 6-8 hr of 1st coat apply 2nd coat of of Acrylic cementitious waterproofing polymer(dilution with 2 part of cementitious with 1 part of liquid chemical additive) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible,make the surface in SSD condition, complete in all respect as per the direction of Engineer-in-Charge. Note:-Rates includes scaffolding, crack opening and filling with approved filler material of Dr Fixit.	item21	138.00	Sqm		0.00	INR Zero Only
22	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. 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). Plastering 25 mm average thickness in 2 layers.	item22	44.00	Sqm		0.00	INR Zero Only
23	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. 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). Plastering 50 mm average thickness in 3 layers.	item23	17.00	Sqm		0.00	INR Zero Only

24	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/ Sponge. NOTE: Including scaffolding, curing etc	item24	120.00	Sqm		0.00	INR Zero Only
25	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) Note: The rate is including scaffolding, curing etc.The Plater should be of single coat Mala finished.	item25	76.00	Sqm		0.00	INR Zero Only
26	Providing and fixing GI hexagonal chicken wire mesh of size 12 mm x 22g at the junction of dissimilar surfaces, crack surfaces or where necessary at brick masonry wall and RCC. Rate is inclusive of nails, scaffolding and any other material required to complete the work in all respect.	item26	199.00	Sqm		0.00	INR Zero Only
27	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	item27	360.00	Ltr.		0.00	INR Zero Only
28	Treatment at points of contact of wood work by chemical emulsion Chlorpyriphos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same. (excluding the cost of chemical emulsion)	item28	33.00	Rmt		0.00	INR Zero Only
29	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Treatment of existing floor or joint of floor and skirting using chemical emulsion @ one litre per hole at 300 mm interval including 12 mm drilling holes in RCC (if any) and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) with matching colour pigment to the full depth of the hole : With Chlorpyriphos/Lindane E.C. 20% with 1% concentration.	item29	1649.00	Rmt		0.00	INR Zero Only
30	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). Note:- Rates includes scaffolding ,staging & surface preparation. Measurement will be taken in actual area to work to be done, no additional labour rate will be made. Work to be complete in all respect as directed by EIC.	item30	3.00	Cum		0.00	INR Zero Only
31	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats . One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 2:1) @ 10 to 11 Sqm/ ltr followed by two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns) @ 0.9 to 1 litre/ Sqm.The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes,washing the surface, opening and filling of all visible cracks (if any) using PU sag (polyurethane) of approved brand etc. complete in all respect as per the direction of Engineer-in-Charge.	item31	802.00	Sqm		0.00	INR Zero Only

32	Dismantling dholpur stone slab laid in cement mortar at floor or wall using cutter machine for takingout of damage/broken stone only including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	item32	57.00	Sqm		0.00	INR Zero Only
33	Providing and laying Dholpur stone slabs 18-20 mm thick in risers of steps, skirting, sill, jamb, dado and pillars laid on 15 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.	item33	33.00	Sqm		0.00	INR Zero Only
34	Providing and laying Dholpur stone slabs (Pink / Red) 30±5 mm thick polished/ rough in floor etc.in required design and pattern wherever required, stones of different finished surface texture, laid on 30 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.	item34	21.00	Sqm		0.00	INR Zero Only
35	Providing and applying of glass lapi/putti with glass pins including removing of old glass lapi without damage to the glass as instructed by EIC including scaffolding, disposing of debris etc, for any heights, leads and lift. (Putty conforming to IS 419 shall be prepared by mixing one part of white lead with three parts of finely powdered chalk and then adding the boiled linseed oil to the mixture to form a stiff paste and adding varnish to the paste @ 1 litre of varnish to 18 kg. of paste)	item35	542.00	Rmt		0.00	INR Zero Only
36	Providing and fixing of seasoned second class TEAK WOOD BATTENS of required size and class specified below for Glass fixing etc, including removing of the old damaged batten without damage to the glass including scaffolding, nail, screw, disposing of the damaged replaced glass outside campus for any heights, leads and lift. Using Second class seasoned TEAK WOOD. of Approximate size 10 x 10 MM ----- (Measurement will be taken in Rmt of the fixed batten)	item36	95.00	Rmt		0.00	INR Zero Only
37	Taking out existing old damaged bituminous felt from roof, parapet etc.preparing the surfaces by removing all spoils, blisters, moss etc from working site, including removal of rubbish 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.	item37	20.00	Sqm		0.00	INR Zero Only

38	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 : 3 mm thick Note: APP membrane to be apply over GI water supply line (conceal / under ground / open)	item38	20.00	Sqm		0.00	INR Zero Only
39	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster	item39	63.00	Sqm		0.00	INR Zero Only
40	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	item40	20.00	Per bag of cement		0.00	INR Zero Only
41	Providing and applying two or more coat of silicon based water repellent coating on dholpur/brick with filling of Horizontal and vertical joints with matching cement based colour pigment. Rate including scaffolding (at any height), filling the cracks and crevices with approved filler material (Dr. Fixit Crack X or equivalent), preparation of the surface so that surface becomes free from all debris, dirt, oil, grease, wax and all other contamination which could prevent penetration.etc. To improve penetration, Apply second coat wet on wet.Complete as per manufacturer specification and as directed by EIC. NOTE: Required Paint coefficient has to be considered in the quoted rate. Hence separate coefficient will not be considered while measuring the area for painting and area will be measured flat. The paint coefficient will be 1.00 irrespective of applying on dholpur stone cladding / Brick /plaster/ sand face plaster surface etc. No extra will be paid for rough surface. - (1) Coating - Dr Fixit Repellin WR (product no-103) (2) Crack filler - Dr. Fixit Crack X or equivalent	item41	2207.00	Sqm		0.00	INR Zero Only
42	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer Hafele make Item code- 931.84.749 (having brand logo, embossed on the body, door weight upto 40 kg to 80 kg and door width from 701 mm to 1100 mm), with double speed adjustment with necessary accessories and screws etc. complete.	item42	15.00	Nos.		0.00	INR Zero Only
43	Providing & fixing Godrej Cylindrical round lock Keyed (Classic or equivalent - Tubular lock) for door with SS parts and body with 6 levers with stainless steel 3 numbers of keys with chromium plated brass screws for left hand/right hand and for single leaf shutter of 30mm to 40 mm thickness with brass socket plate. Push button when pressed, won't allow anyone to enter from outside. The lock can operated with key from outside (Exact number for left, right and double shutter shall be ascertained based on site requirement. It shall be matching with existing old door locks). Cost laso includes removing of old damaged lock and minor repairing of wooden shutter.	item43	15.00	Nos.		0.00	INR Zero Only

44	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	item44	12.00	Nos.		0.00	INR Zero Only
45	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 : 200x10 mm	item45	50.00	Nos.		0.00	INR Zero Only
46	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Unto and including 12mm dia.	item46	42.00	Per hole		0.00	INR Zero Only
47	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	item47	158.00	Kg		0.00	INR Zero Only
48	Providing and fixing lead free, Schedule 80 high-pressure UPVC Pipe and all UPVC plain & brass threaded fittings at depth of more than 600 mm. This includes jointing of pipes & fittings, trenching, refilling, compaction, crossing of line through RCC (if required) etc. & testing of joints complete as per direction of Engineer in Charge. External work 80 mm nominal dia Pipes Note:-The pipeline shall be laid underground in soil Contractor must visit site before quoting the tender.	item48	36.00	Mtr		0.00	INR Zero Only
49	Providing and fixing UPVC pipe lead free, Schedule 80 high-pressure with UPVC plain & brass threaded fittings. Work includes fixing of pipe with heavy type GI Z patti (Min. thickness-2 mm) with U rod (Min. dia 6 mm) clamps with nut and washer at approx. 600 mm spacing if required and jointing of pipes & fittings, excavation, trenching, refilling, compaction and testing of joints complete in all respected as per direction of Engineer in Charge. External work 50 mm nominal dia Pipes. Note:-The pipeline shall be laid underground in soil at certain locations and shall be fixed to the wall using GI Z patti with U rod clamps with nut and washer at other locations, as per site requirements. Cost inclues drilling and fixing clamps tighly on wall and excavation, trenching, refilling, compaction etc. for underground pipe. Contractor must visit site before quoting the tender.	item49	180.00	mtr		0.00	INR Zero Only
50	Making connection of old to new pipeline with G.I. main or UPVC of following sizes by providing and fixing necessary fittings like, tee, flange, union, coupler including cutting and threading the pipe etc. complete in all respect : 50 to 80 mm nominal bore	item50	1.00	Per connection		0.00	INR Zero Only
51	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 50 mm nominal bore	item51	6.00	Each		0.00	INR Zero Only
52	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 80 mm nominal bore	item52	2.00	Each		0.00	INR Zero Only
53	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 50 mm nominal bore	item53	2.00	Each		0.00	INR Zero Only

54	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required: 80 mm nominal bore	item54	2.00	Each		0.00	INR Zero Only
55	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 chamber, foundation, plinth etc. in cement mortar 1:6. Complete all as directed by EIC.	item55	8.00	Cum		0.00	INR Zero Only
56	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 20 mm nominal size derived from natural sources)	item56	12.00	Cum		0.00	INR Zero Only
57	Centering and shuttering including strutting, propping etc. and removal of form work for :Foundations, footings, bases for columns	item57	5.00	Sqm		0.00	INR Zero Only
58	Providing, fabricating, assembling, hosting / erecting and fixing in position at all heights / all levels / all floors / all shapes and sizes with all leads and lifts structural steel works In stringers, treads, landings etc. of stair cases, angle, channel, flats including use of chequered plate wherever required, all complete as per detailed drawing and design including cutting, wastage, welding, bending (shop at site), hoisting, drilling, fixing in position, bolting wherever necessary, in position welding of required lengths, griding, finishing edges, filling the welded spots with paint, grouting in the RCC members including priming all the sections with one coat of zinc based yellow primer including preparing the surface, Scaffolding, Required size of anchor etc., complete at any heights/levels all as per instructions, specifications and as directed by Engineer – in – Charge (only standard measurements will be paid)	item58	220.00	Kg		0.00	INR Zero Only
59	Providing and fixing precast galvalume sheets of minimum 550 MPa yield profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm. The sheets shall be coated with AZ 150 class (Aluminum zinc coating of 150 grams per sq. meter.) with coated alloy of 55% Aluminum, 43.5% Zinc and 1.5% Silicon and of approved color with top surface coated with 20-25 microns of coating (including 5 micron epoxy primer) and bottom service coat with 10-15 microns. Sheet material & painting shall confirm to ASTM standards ASTM A 792 & ASTM A 755. Sheet should have protective guard flm of 25 microns minimum to avoid scratches during profile bending / transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. Contractor to visit the site to understand the work. The rate includes profile bending, transportation, lifting of sheet to any lead and lift using safe practice up to shed, fixing etc complete)	item59	20.00	Sqm		0.00	INR Zero Only

60	Dismantling of old wash basin with CI bracket support, pillar cock, angle cock/stop cock/waste coupling, bottle trap, liquid soap container, waste pipe up to NT, towel rail and other connections including disposal within 250m lead or as directed by EIC.	item60	2.00	No.s		0.00	INR Zero Only
61	Providing and fixing wash basin (Jaquare-CNS-WHT-801with rag bolts) with heavy C.I. brackets, 15 mm C.P. brass pillar taps Auto closing system Press matic type (Jaquare - PRS-CHR-031), 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)	item61	2.00	No.s		0.00	INR Zero Only
62	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. All kinds of soil	item62	2.00	Cum		0.00	INR Zero Only
63	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. Note - 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. 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. 3. The cost is inclusive of necessary permisiion from statutory authorities for dumping the debris/excess earth outside department premises 4. Debris generated for dismantling items of BOQ or other debris situated inside campus as instructed by EIC will be considered in this item only. Other debris generated during work will be disposed by contractor at their own expense.	item63	70.00	Cum		0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					