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Tender Inviting Authority: Dean (Admin)

Name of Work: Re-Painting, Renovation, Repairing and other Misc. civil work of Utility Building, Utility Extension Building, Overhead water Tank and other areas of old building at IPR campus, Bhat, Gandhinagar - 382428

Contract No: IPR/TN/CIVIL/05/2025

Name of the Bidder/ Bidding Firm / Company :							
PRICE SCHEDULE (DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)							
<p>(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)</p> <p>"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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>i) Contractor shall provide suitable Personal protective Equipment (PPE) to all its workmen and also follow safety regulations while working at sites.</p> <p>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.</p> <p>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.</p> <p>l) This work consist of Re-Painting and Renovation work of Utility Building, Utility Extension Building and Overhead water Tank & Waterproofing of terrace of some parts of old building at IPR. Work to be done in phasewise as mentioned in schedule-F. Quoted rate includes scaffolding for all scope of work items at any height, lead and lift and no extra payment shall be made for the same. Contractor must visit the site to understand scope, lead, lift, height before quoting the rates.</p>							
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	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres & below	item1	3.00	Nos		0.00	INR Zero Only

2	<p>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.</p> <p>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. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.</p>	item2	8800.00	Sqm		0.00	INR Zero Only
3	<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 external walls only, Rates includes scaffolding and 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</p>	item3	5300.00	Sqm		0.00	INR Zero Only
4	<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>	item4	8800.00	Sqm		0.00	INR Zero Only
5	<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 (or oil based primer for AC Duct only) having VOC content less than 50 grams/ litre.</p> <p>Note:- For Internal wall only, Rates includes scaffolding at all height. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.</p>	item5	8800.00	Sqm		0.00	INR Zero Only
6	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre including applying additional coats wherever required to achieve even shade and colour In TWO coat.</p> <p>Note:- Rates includes appropriate scaffolding for all height, 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.</p>	item6	8800.00	Sqm		0.00	INR Zero Only
7	<p>White washing with lime (Two or more coats) to give an even shade to the surface, The work also involves Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete:</p> <p>Note:-White washing with lime includes required material like fevicol/adhesive, indigo etc. as per manufacturers specifications.</p>	item7	275.00	Sqm		0.00	INR Zero Only

8	<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 appropriate scaffolding for all heights, surface preparation, removing of old paint / lime washing as required, applying 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.</p>	item8	7000.00	Sqm		0.00	INR Zero Only
9	<p>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 flaking & 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.</p> <p>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) Synthetic 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.</p>	item9	700.00	Sqm		0.00	INR Zero Only
10	<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 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 and dash fasteners to be paid for separately) :</p> <p>For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).</p>	item10	70.00	Kg		0.00	INR Zero Only

11	<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. 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 and dash fasteners to be paid for separately) :</p> <p>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 / required (Fittings shall be paid for separately) Anodised aluminium (anodised) In case of non-availability of detailed specification in CPWD 2019, Specification of the same shall</p>	item11	30.00	Kg		0.00	INR Zero Only
12	<p>Providing and fixing Glass panes of selected glazing quality and thickness as specified below including providing and fixing EPDM rubber of approved quality and fixing with Aluminium glazing clips / Aluminium beadings (Supply cost of Aluminium clips / Aluminium beadings are measured in separate items mentioned above for DOORS / WINDOWS / PARTITIONS etc., Using 5mm thick float glass (weight not less than 12.50 kg/sqm)</p>	item12	22.00	Sqm		0.00	INR Zero Only
13	<p>Providing and fixing Single Point Locking Handle (SPLH) for Windows made of Zamak/die cast aluminium and all accessories etc. complete. - 150 mm.</p>	item13	8.00	Each		0.00	INR Zero Only
14	<p>Providing and filling silicon sealant at the joint of aluminum and plaster of size 5 mm x 5 mm in triangle shape to make the surface water leakage proof at periphery of window from inside and outside both etc., as directed by EIC. NOTE: Including scaffolding, curing etc.</p>	item14	30.00	Rmt		0.00	INR Zero Only
15	<p>Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung Aluminium windows, of approved quality, with necessary stainless steel screws etc. as per direction of Engineer-in-charge. 400 x 19 x 1.9 mm.</p>	item15	12.00	Each		0.00	INR Zero Only
16	<p>Supplying Polysulphide sealant in sealed (Pour grade / Gun grade) containers including delivery at site as specified.</p>	item16	60.00	Kg		0.00	INR Zero Only
17	<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> <p>Note:- Rates includes scaffolding at all heights ,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.</p>	item17	540.00	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 50 mm average thickness	item18	10.00	Sqm		0.00	INR Zero Only
19	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 25 mm average thickness	item19	10.00	Sqm		0.00	INR Zero Only
20	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	item20	60.00	Rmt		0.00	INR Zero Only
21	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.	item21	115.00	Sqm		0.00	INR Zero Only
22	Providing & Applying 2 part polymer modified, flexible cementitious negative side waterproofing coating on interior wall plaster surface in two or more coat @ 1.82 kg / Sqm for two coat (minimum) or as specified by manufacturer after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible. Sufficient dry time approx 6-8 hrs to be given between two coats. 2nd coat will be applied in perpendicular direction. complete in all respect as per the direction of Engineer-in-Charge. Note:-Rates includes scaffolding, crack opening and filling with approved filler material i.e. SBR polymer with cement or as per manufacturers specification.	item22	30.00	Sqm		0.00	INR Zero Only

23	<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>	item23	120.00	Sqm		0.00	INR Zero Only
24	<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 50 mm average thickness in 3 layers.</p>	item24	10.00	Sqm		0.00	INR Zero Only
25	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	item25	50.00	Sqm		0.00	INR Zero Only
26	<p>Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineerin-Charge.</p> <p>With cement mortar 1:4 (1 cement : 4 coarse sand)</p>	item26	380.00	Sqm		0.00	INR Zero Only
27	Providing and fixing GI hexagonal chicken wire mesh of size 12mm 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.	item27	330.00	Sqm		0.00	INR Zero Only
28	Supplying chemical emulsion in sealed containers including delivery as specified Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	item28	200.00	Ltr		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 Chlorpyrifos/Lindane E.C. 20% with 1% concentration.	item29	1100.00	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	2.00	Cum		0.00	INR Zero Only
31	Providing and applying single component insulating elastomeric liquid water proofing membrane reinforced with nano fibres- Dr Fixit Roofseal Classic or equivalent with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm or as specified by manufacturer. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping, Roughing of china mosaic for proper adhesion and properly cleaning the surface to remove loose particles with wire brushes, In case of algae, it should be clean with bleach solution during the roof cleaning, filling of existing crack (if any) with cement and SBR polymer paste, omplete in all respect as per the direction of Engineer-in-Charge.	item31	8100.00	Sqm		0.00	INR Zero Only
32	Providing 160 mm dia PVC Elbow at bottom of Rainwater pipe .The work includes replacing old elbow and providing new elbow at it's position.The work to be done as per the directions of engineer in charge.	item32	2.00	No.s		0.00	INR Zero Only
33	Providing and laying Dholpur stone(Pink/Red)slabs 18-20 mm thick in Tread & risers of steps, cladding repairs, 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. Note:-The work includes cutting and removing of the existing dholpur and installation of new one. The work is to be carried out as per the directions of engineer in charge.	item33	20.00	Sqm		0.00	INR Zero Only

34	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	item34	100.00	Sqm		0.00	INR Zero Only
35	Providing and applying two or more coat of silicon based water repellent coating Dr Fixit Repellin WR (product no-103) on dholpur/brick with filling of Horizontal and vertical joints with matching cement based colour pigment. Rate including scaffolding for all height, filling the cracks and crevices with approved filler material (Dr. Fixit Crack X or SBR polymer and cement modified pasts paste in matching colour pigment), 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 plasterIn case of non-availability of detailed specification in	item35	2300.00	Sqm		0.00	INR Zero Only
36	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 : 75 mm	item36	6.00	No.s		0.00	INR Zero Only
37	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	item37	3.00	No.s		0.00	INR Zero Only
38	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 : 100 mm	item38	12.00	No.s		0.00	INR Zero Only

39	<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. Rate includes transporting and stacking of old RCC Cover block at some specific location inside campus to dispose.</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>	item39	30.00	Cum		0.00	INR Zero Only
40	<p>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.</p> <p>Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them</p>	item40	20.00	Per day		0.00	INR Zero Only
41	<p>Providing Carpenter (skilled) with helper for repair of miscellaneous work inside buildings where repairing related works etc. with required carpentry tools and tackles, stacking of materials within IPR Campus as directed by EIC.</p> <p>Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them.</p>	item41	5.00	Per day		0.00	INR Zero Only
42	<p>Providing Welder(skilled) with helper within IPR Campus as directed by EIC.</p> <p>Note:- Any consumable material required will be provided by the institute However tools and tackles should be available with them.</p>	item42	10.00	Per day		0.00	INR Zero Only
43	<p>Structural steel work for base plates, gussets plates, stiffeners, connecting plates etc including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.</p>	item43	30.00	Kg.		0.00	INR Zero Only
44	<p>Removing Rust, old paint, bitumin primer, and the like by sand paper, wire brush, roll paper, Grinding to receive fresh coat of primer. Appropriate thinner / rust remover / or suitable removing chemical and preparing the surface smooth including necessary repairs to scratches etc.</p> <p>Note:-Removal of paint from the surface is necessary and must.</p>	item44	350.00	Sqm		0.00	INR Zero Only

45	Finishing with 2 pack Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate coat of priming coat with epoxy primer(Protectomastic RPL Coating), preparation of MS surface, etc complete as per the direction of engineer in charge. Note:-Paint will be applied on Mild steel , Rates includes scaffolding. The surface area of MS members (MS stair inside of overhead water tank.) will be measured and paid.	item45	350.00	Sqm		0.00	INR Zero Only
46	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	item46	3.00	Cum		0.00	INR Zero Only
47	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.	item47	3.00	Cum		0.00	INR Zero Only
48	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : : One or more coats on old work including touchup if any Note : Measurement will be taken in Sqm of the treated/painted surface area.	item48	220.00	Sqm		0.00	INR Zero Only
49	Providing and laying China mosaic treatment over cement mortar / RCC roof including Dismantling, Scraping, removing and cleaning the existing treatment (china mosaic / plaster) by chiseling or other means, including cleaning with wire brushes and coir brooms, disposal of unserviceable material out side Institute's campus, including finishing the surfaces to receive new treatment, Applying of a coat of cement slurry at rate of 2.75 kg/Sqm mixed with water proofing compound is spread uniformly over the prepared surface, back coat of 30 mm thick cement mortar 1:4 including using approved water proofing compound like as per manufacturers specifications and broken pieces of white glazed tiles (6mm thick) set on 5mm thick neat coat of cement slurry of consistency of honey and top finished with white cement to required levels & slopes on barrel roof, making groove of 6 mm x 6 mm size in top finish in required panels, curing, scaffolding, tools and tackles, all as per specifications at all leads and lifts and at any In case of non-availability of detailed specification in CPWD 2019, Specificatio	item49	50.00	Sqm		0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only

Quoted Rate in Words	INR Zero Only
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