

[Validate](#)[Print](#)[Help](#)[Item Rate BoQ](#)Tender Inviting Authority: **Dean (Admin)**Name of Work: **Miscellaneous civil repairing and renovation works at Institute for Plasma Research Campus, Bhat, Gandhinagar (IPR), – 382428, Gujarat.**Contract No: **IPR/TN/CIVIL/05/2022**

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:-**

- 1. For detailed Specification, Contractor has to refer and follow Specifications Volume-I and Volume-II, 2019, CPWD (Central public works department) available on online CPWD portal (https://cpwd.gov.in/Documents/cpwd_publication.aspx) including material, workmanship, equipment's, IS code etc.**
- 2. All the items are including scaffolding, curing, for all leads and lifts etc.**
- 3. 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.**
- 4. All respective items should be as per the approved make / brands / list attached in Tender document"**

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	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses, roof grid etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	item1	250.00	Kg		0.00	INR Zero Only

2	<p>Removing of sintex roofing of approx. size 6 m x 2.75 m situated at height approx. 6 m including cladding of 300 mm height, supporting ceiling structure, opening of sintex material (sand which @ top & Bottom, insulation material), cutting of MS members, taking down the roof without damaging wall, window, door, and dispose and stacking within 1 km. Rate includes scaffolding (if required). Note:-Contractor must visit site before quoting of tender.</p>	item2	1.00	Job		0.00	INR Zero Only
3	<p>P/F 30 MM PUF insulated (Roof) Panel with flat Ribbed sheet at top of 0.5 mm thick and bottom side 0.45 mm thick TCT color Coated GI Sheet with PUF as Insulation Sandwich Panel in between including closing of all the ends of PUF using appropriate GI sheet of required size and shape, the panel should be manufactured by pressure injection of CFC free Polyurethane foam at 38 + 2 Kg/m3 density, in between the outer and inner steel sheet surfaces and should be supplied in single length up to 6.00 meter or as desired by Engineer in charge. The sheet shall be fixed using self-drilling/self-tapping screws of size (5.5 x required length) with EPDM seal, PU sealant at joints complete up to any pitch in horizontal/vertical or curved surfaces excluding the cost of purlins, rafters and trussed and including cutting to size and shape wherever required including all materials labour, scaffolding, wastage, tools, tackles, equipment, transportation all complete as directed by engineer-in-charge. All overlaps shall be sealed with PU sealants. Roof should be water tight. The PPGI Sheets shall be of minimum 240 MPA Steel grade & shall have a Zinc Coating of minimum 120 GSM as per IS 277/1992, 5-7 Microns of epoxy primer on both sides of the Sheet & Polyester top Coat of 18-20 microns on one side/outer side. The PPGI Sheets/PUF Panels shall have a protective guard film of minimum 20-25 microns to avoid scratches to finished panel during transportation.</p>	item3	25.00	Sqm		0.00	INR Zero Only
4	<p>Providing and laying Unbacked flexible P.V.C flooring/ skirting with P.V.C sheets as specified below of approved make and shade including preparing the surface, cleaning as required and applying adhesive - as recommended by the P.V.C manufacturers, laying, aligning, cutting in required size and pattern, trimming of tiles, removing the adhesive stains on the surface including cleaning the surface with soap solution (2 table spoons of soap powder for 5 ltrs of water) using a cloth or mop or and wiping the dried surface with soft dry cloth etc. complete all as per specifications. In PVC flooring/ skirting/ dadoing: With 2mm thick Unbacked flexible fully homogeneous PVC sheets in rolls of approved make and quality make conforming to IS: 3462-1986.</p>	item4	20.00	Sqm		0.00	INR Zero Only
5	<p>Removing / Dismantling Existing PVC flooring including removing of binding material in floors laid with gum/ fevicol/ any other binding material including cleaning of the surface to receive new flooring, disposing of the debris outside campus, stacking of useful material within 150 Rmt lead etc. complete as directed by engineer in charge.</p>	item5	20.00	Sqm		0.00	INR Zero Only

6	Providing and fixing compact sheet of 5 mm thickness and approved shade of Make inside wooden partition / door etc; complete all as per approved drawing, colour, design & direction by Engineer-in-charge. Using available aluminium glazing clips or triangular beading including screws etc., removing and disposing off old damaged panels. The finished size of the panel shall be measured and paid. The cut edges of the compact sheet shall be provided with masking tape.	item6	6.00	Sqm		0.00	INR Zero Only
7	Providing and fixing semicircular (by cutting half portion of a circular pipe in to two part) of Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot & cold water supply including all CPVC plain fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement & testing of joints complete as per direction of Engineer in Charge 150 mm nominal dia Pipes	item7	6.00	Rmt		0.00	INR Zero Only
8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes with 150mm semicircular pipe & fittings with one step CPVC solvent cement, clamping on wall & testing of joints complete as per direction of Engineer in Charge. 80 mm nominal dia Pipes	item8	6.00	Rmt		0.00	INR Zero Only
9	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : NOTE: All fitting works shall be carried out as per I.S specifications including necessary rivets, screws, lugs, scaffolding, etc., complete all generally as per drawings. The sizes of the components should confirm as per details in drawings. The cost also included for sliding arrangements, best quality rollers etc Providing and fixing of frame work (Styles and rails) for Doors shutters / window shutters with required sections including providing all items and hinged / pivoted arrangements for operation of shutters and cost for fixing of sliding arrangements etc., complete. (Aluminium beadings and glazing clips measured under this item only).	item9	30.00	Kg		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/ neoprene gasket etc.</p> <p>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>NOTE: All fitting works shall be carried out as per I.S specifications including necessary rivets, screws, lugs, scaffolding, etc., complete all generally as per drawings. The sizes of the components should confirm as per details in drawings. The cost also included for sliding arrangements, best quality rollers etc</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	31.00	Kg		0.00	INR Zero Only
11	<p>Providing and fixing Glass panes of selected glazing quality and thickness as specified below including providing and fixing EPDM rubber / neoprene gasket 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 plain glass (weight not less than 12.50 kg/sqm)</p>	item11	6.00	Sqm		0.00	INR Zero Only
12	<p>Providing and fixing 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.</p>	item12	16.00	Rmt		0.00	INR Zero Only
13	<p>Providing and fixing Aluminum sliding conceal window lock 200mm (best make of approved quality) suitable to sliding window shutter including necessary cutting and making good etc. fixing the lock, screw etc.; complete as directed by Engineer-in-charge.</p>	item13	4.00	No		0.00	INR Zero Only
14	<p>Dismantling doors, windows and clerestory windows (Aluminum) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 250 metres lead : Of area beyond 3 sq. metres Note-Special care shall be taken to avoid any damage to glass, compact sheet and aluminum members</p>	item14	2.00	Each		0.00	INR Zero Only
15	<p>Providing and fixing reflective SUN CONTROL film of 25 MICRON thickness on window/ ventilators/ clerestory windows glass panes etc., complete all as per manufacturers specifications and as per the directions of Engineer-in-charge. Note: Matching film to be installed. Contractor must inspect the site before quoting the rates</p>	item15	6.00	Sqm		0.00	INR Zero Only

16	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture Inside aluminum sliding window shutter using suitable aluminum section (aluminum section shall be paid under relevant item)	item16	3.00	Sqm		0.00	INR Zero Only
17	Removing of old compact sheet, stack at safe place and re-fixing of the same after fixing of Aluminum members including providing and fixing EPDM rubber / neoprene gasket 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	item17	1.20	Sqm		0.00	INR Zero Only
18	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. Note:- Removing of emulsion paint, white wash, oil paint or enamel paint for Internal wall, exterior paint on external wall (including washing), wood work, steel work etc. by sand paper, wire brush, roll paper etc. to receive new painting treatments. Rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.	item18	200.00	Sqm		0.00	INR Zero Only
19	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 0.25 mm or more. Measurements will be done as per relevant IS Code	item19	200.00	Sqm		0.00	INR Zero Only
20	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer Note:- For Internal wall only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC	item20	200.00	Sqm		0.00	INR Zero Only
21	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 manufacturer's specification). Measurements will be done as per relevant IS Code. Complete all as directed by EIC	item21	200.00	Sqm		0.00	INR Zero Only

22	Providing & Applying polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementitious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementitious waterproofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.	item22	10.00	Sqm		0.00	INR Zero Only
23	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 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. (1) Synthetic enamel Paint of approved brand confirming to IS 2932 (2) Zins based yellow Primer (3) Putty suitable to Mild steel members of approved brand (4) Putty on wood work - oil base putty	item23	30.00	Sqm		0.00	INR Zero Only
24	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 Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand) Note- work to be carried out at any height and lead inside instutute including scaffolding, curing etc	item24	3.00	Sqm		0.00	INR Zero Only
25	Providing and laying Unbacked flexible P.V.C flooring/ skirting with P.V.C sheets as specified below of approved make and shade including preparing the surface, cleaning as required and applying adhesive - as recommended by the P.V.C manufacturers, laying, aligning, cutting in required size and pattern, trimming of tiles, removing the adhesive stains on the surface including cleaning the surface with soap solution (2 table spoons of soap powder for 5 ltrs of water) using a cloth or mop or and wiping the dried surface with soft dry cloth etc. complete all as per specifications. In PVC flooring/ skirting/ dadoing: With 2mm thick Unbacked flexible fully homogeneous PVC sheets in rolls of approved make and quality make conforming to IS: 3462-1986. Note:- The pvc flooring should be fixed on floor as per existing size (approximate. -600x600 mm.	item25	105.00	Sqm		0.00	INR Zero Only

26	Removing / Dismantling Existing PVC flooring including removing of binding material in floors laid with gum/ fevicol/ any other binding material including cleaning of the surface to receive new flooring, disposing of the debris outside campus, stacking of useful material within 150 Rmt lead etc. complete as directed by engineer in charge.	item26	105.00	Sqm		0.00	INR Zero Only
27	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 250 metres lead : Of area beyond 3 sq. metres	item27	1.00	Each		0.00	INR Zero Only
28	Providing and fixing Non reflective SUN CONTROL film of 25 MICRON thickness on window/ ventilators/ clere storey windows glass panes etc., complete all as per manufacturers specifications and as per the directions of Engineer-in-charge.	item28	10.00	Sqm		0.00	INR Zero Only
29	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : for fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	item29	45.00	Kg		0.00	INR Zero Only
30	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	item30	10.00	Sqm		0.00	INR Zero Only
31	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. - Upto 5mm depth and 5 mm width	item31	22.00	Rmt		0.00	INR Zero Only

32	Repairing of the Gypsum false ceiling including screwing where required, repairing damaged ceiling, treatment to the cracks including tape etc and making the ceiling in good condition for painting with required material, scaffolding etc direction of Engineer-in-charge complete. - Note: Contractor should visit the site to understand the repairing work before quoting the tender	item32	1.00	Job		0.00	INR Zero Only
33	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. Note:- Removing of emulsion paint, white wash, oil paint or enamel paint for Internal wall, exterior paint on external wall (including washing), wood work, steel work etc. by sand paper, wire brush, roll paper etc. to receive new painting treatments. Rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.	item33	130.00	Sqm		0.00	INR Zero Only
34	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 0.25 mm or more. Measurements will be done as per relevant IS Code	item34	130.00	Sqm		0.00	INR Zero Only
35	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer Note:- For Internal wall only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC	item35	130.00	Sqm		0.00	INR Zero Only
36	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	item36	130.00	Sqm		0.00	INR Zero Only

37	<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 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.</p> <p>Note:- Measurements of doors and windows will be taken as per relevant IS code.</p> <p>(1) Synthitic enamel Paint of approved brand confirming to IS 2932 (2) Zins based yellow Primer (3) Putty suitable to Mild steel members of approved brand (4) Putty on wood work - oil base putty</p>	item37	8.00	Sqm		0.00	INR Zero Only
38	<p>Providing and laying Unbacked flexible P.V.C flooring/ skirting with P.V.C sheets as specified below of approved make and shade including preparing the surface, cleaning as required and applying adhesive - as recommended by the P.V.C manufacturers, laying, aligning, cutting in required size and pattern, trimming of tiles, removing the adhesive stains on the surface including cleaning the surface with soap solution (2 table spoons of soap powder for 5 ltrs of water) using a cloth or mop or and wiping the dried surface with soft dry cloth etc. complete all as per specifications.</p> <p>In PVC flooring/ skirting/ dadoing: With 2mm thick Unbacked flexible fully homogeneous PVC sheets in rolls of approved make and quality make conforming to IS: 3462-1986.</p>	item38	52.00	Sqm		0.00	INR Zero Only
39	<p>Removing / Dismantling Existing PVC flooring including removing of binding material in floors laid with gum/ fevicol/ any other binding material including cleanig of the surface to receive new flooring, disposing of the debris outside campus, stacking of useful material within 150 Rmt lead etc. complete as directed by engineer in charge.</p>	item39	52.00	Sqm		0.00	INR Zero Only
40	<p>Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.</p> <p>Note:- Removing of emulsion paint, white wash, oil paint or enamel paint for Internal wall, exterior paint on external wall (including washing), wood work, steel work etc. by sand paper, wire brush, roll paper etc. to reveive new painting treatments. Rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC.</p>	item40	758.00	Sqm		0.00	INR Zero Only

41	<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/external walls only, Rates includes scaffolding and sand papering of wall after putty. The thickness of putty should be 0.25 mm or more. Measurements will be done as per relevant IS Code</p>	item41	670.00	Sqm		0.00	INR Zero Only
42	<p>Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer</p> <p>Note:- For Internal / External wall & ceiling only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC</p>	item42	678.00	Sqm		0.00	INR Zero Only
43	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour In TWO coat.</p> <p>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</p>	item43	670.00	Sqm		0.00	INR Zero Only
44	<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 paint that is soft, blistered, loose or flanking & cleaning old surface, preparing the surface to receive paint including filling cracks and crevices 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.</p> <p>(1) Synthetic enamel Paint of approved brand confirming to IS 2932 (2) Zinc based yellow Primer (3) Putty suitable to Mild steel members of approved brand (4) Putty on wood work - oil base putty</p>	item44	90.00	Sqm		0.00	INR Zero Only
45	<p>Providing & Applying polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementitious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementitious waterproofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.</p>	item45	90.00	Sqm		0.00	INR Zero Only

46	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete inclusive of making adjustments and sorting it for smooth operation, removing of old damaged door closer etc; complete all as per specifications.	item46	2.00	No		0.00	INR Zero Only
47	Repairing of crackes of the Gypsum false ceiling including screwing where ever required, repairing damaged ceiling, treatmet to the cracks including fixing tape etc and making the ceiling in good condition for painting with required material, scaffolding etc direction of Engineer-in-charge complete. - Note: Contractor should visit the site to understand the repairing work before quoting the tender	item47	65.00	Rmt		0.00	INR Zero Only
48	Providing and applying white washing with lime on new/old work (three or more coats)to give an even shade 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 and ceiling only, Rates includes scaffolding and sand papering of wall for lime washing. Measurements will be done as per relevant IS Code	item48	80.00	Sqm		0.00	INR Zero Only
49	Painting external plastered surfaces with two or more coats of Texture 100% ACRYLIC EXTERIOR EMULSION PAINT (Texture) of approved make and colour having protection against fungal growth, flaking, fading, alkali and UV degradation and to give an even shade with required finish including applying a coat of Acrylic exterior primer as per manufacturer's application procedure, cleaning the surfaces, filling the crevices with approved filler, scaffolding, curing, etc., at all heights. complete all as per specifications. a) On sand faced / rough / smooth plastered surfaces. 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 plain / sand face plaster surface. No extra will be paid for rough or sand face plaster surface. Rate to included following materials. (1) Acrylic Exterior emulsion Paint of approved brand confirming to IS (2) Acrylic Exterior Primer of approved brand (3) filling cracks - SBR polymer with cement as per manufactureres specification	item49	8.00	Sqm		0.00	INR Zero Only

50	<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.</p> <p>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>	item50	120.00	Kg		0.00	INR Zero Only
51	<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.</p> <p>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 / neoprene gasket required (Fittings shall be paid for separately) . Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).</p>	item51	55.00	Kg		0.00	INR Zero Only
52	<p>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):</p> <p>With 5 mm thick smoke Glass .</p>	item52	27.00	Sqm		0.00	INR Zero Only
53	<p>Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. (a)Upto 5mm depth and 5 mm width.</p>	item53	78.00	Rmt		0.00	INR Zero Only
54	<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>	item54	12.00	Each		0.00	INR Zero Only

55	Aluminum die cast powder coated heavy hinges for "Z" section window - 100x60 minimum	item55	36.00	Each		0.00	INR Zero Only
56	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 250 metres lead : Of area beyond 3 sq. metres	item56	3.00	Each		0.00	INR Zero Only
57	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 Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand) Note- work to be carried out at any height and lead inside instutute including scaffolding, curing etc	item57	12.00	Sqm		0.00	INR Zero Only
58	Providing and fixing Dholpur stone cladding with 15 - 20 mm thick rough stone of required colour and shade with machine cut edges and cut to required size laid over a base of 12 mm thick cement plaster in C.M. 1:4, cement slurry at 4.4 kg / sqm for base and white cement with colour pigment at 2.2 kg / sqm for joints, vertically close jointed, horizontal grooves between two layers and pointed with cement slurry mixed with approved colour pigment to match the shade of the stone, finishing etc. to required level and line, curing, cleaning etc. complete as per directed by Engineer in charge	item58	6.00	Sqm		0.00	INR Zero Only
59	Providing Carpenter (1st class) with helper for repairing work of door, windows, hardware fittings and fixture and other miscellaneous work with required carpentry tools and tackles, MS stair etc, as directed by Engineer in charge.	item59	6.00	Days		0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					