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Tender Inviting Authority: Dean (Admin)

Name of Work: Civil works for (1) Repair and renovation of SST-1 Vacuum control room at basement of SST-1 building (2) Renovation of PhD students Laboratory near room of CTD Section at IPR campus, Bhat, Gandhinagar -382428.

Contract No: IPR/TN/CIVIL/03/2026

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

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to refer to the specifications of CPWD (Central Public Works Department) (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-compliance 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 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. 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 on contractor.

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, same will be done in respective item. Permission to transport and dispose debris outside IPR campus shall be obtained by Contractor. Debris generated for dismantling items of BOQ will be considered and disposed by contractor at their own expense.

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.

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, etc.

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 in the State.

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 or 20g 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 by contractor and IPR official.

l) This work consist of Civil works for (1) Repair and renovation of SST-1 Vacuum control room at basement of SST-1 building (2) Renovation of PhD students Laboratory near old switch yard area (3) Civil works for renovation of CTD Section at IPR campus, Bhat, Gandhinagar -382428at three locations inside campus. 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. Contract quoting the rates.

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	RATE In Figures To be entered by the Bidder in Rs. P including GST & all taxes	TOTAL AMOUNT Including GST & all Taxes in Rs. P
1	2	3	4	5	7	14
1.00	Civil works for (1) Repair and renovation of SST-1 Vacuum control room at basement of SST-1 building at IPR Campus, Bhat, Gandhinagar-382428.					

1.01	Removing of Wooden panel / PVC Sandwich panel with MS Framing, including cutting of MS members, stacking of serviceable materials and disposal of unserviceable materials within 1 Km lead.. Rate includes scaffolding (if required).	item1	30.00	Sqm		0.00
1.02	Removing accoustic panel including binding material, stacking of serviceable materials and disposal of unserviceable materials within 500 m lead. Rate includes scaffolding (if required).	item2	35.00	Sqm		0.00
1.03	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 500 Rmt lead etc. complete as directed by engineer in charge.	item3	20.00	Sqm		0.00
1.04	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints with white cement and matching pigment Size of Tile 600x600 mm or as decided by EIC.	item4	20.00	Sqm		0.00
1.05	Dismantling Gypsum false ceiling along with grid including disposal of unserviceable material and stacking of serviceable material within 500 meters lead as directed by Engineer-in-charge	item5	20.00	Sqm		0.00

1.06	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.</p>	item6	20.00	Sqm		0.00
1.07	<p>Providing and constructing HALF BRICK MASONRY walls/partitions in following mixes using approved well burnt bricks of "CLASS DESIGNATION" (Classification as per I.S. 1077-1986) as specified below, including scaffolding, raking out joints, curing, etc; at all lead and lifts all as directed by the Engineer -in- charge. In SUPERSTRUCTURE UPTO FLOOR-V LEVEL. (The mix ratio specified is for cement : coarse sand) Using bricks of "class designation 3.5"(Minimum Average Compressive Strength not less than 3.5N/sqmm) In cement mortar 1:4 Complete all as directed by EIC. Price includes fixing of chair bracket/rag bolt into masonry.</p>	item7	45.00	Sqm		0.00
1.08	<p>Cement plaster 1:3 (1 cement : 3 course sand) mala finished 20 mm cement plaster. Note:-Including Scaffolding, curing etc.</p>	item8	70.00	Sqm		0.00
1.09	<p>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</p>	item9	3.00	Nos		0.00

1.10	<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>	item10	15.00	Sqm		0.00
1.11	<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>	item11	90.00	Sqm		0.00
1.12	<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>	item12	90.00	Sqm		0.00
1.13	<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 or more 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>	item13	90.00	Sqm		0.00
1.14	<p>Treatment of soil under existing RCC floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor:</p> <p>With Chlorpyrifos/Lindane E.C. 20% with 1% concentration (Chemical will be paid in respective item)</p>	item14	25.00	Sqm		0.00
1.15	<p>Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183. Density 48 kg/m³, 50 mm thick, wrapped in 200G Virgin Polythene bags placed in between compact sheets for sound proof partition and held in position by criss-crossing GI wire.</p>	item15	12.00	Sqm		0.00

1.16	<p>Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.</p> <p>Note -</p> <p>1. Item to be applicable in urban areas having directions for restricted hours for movement / plying of load carrying motor vehicle of 3.5 cum or more.</p> <p>2. Voids @20% for solids and 50% for rock shall be deducted from fully loaded truck measurement to arrive at the net quantity for payment in case of direct measurement is not possible.</p> <p>3. The cost is inclusive of necessary permission from statutory authorities for dumping the debris/excess earth outside department premises</p> <p>4. Debris generated for dismantling items of BOQ will be considered in this item only. Other debris generated during work will be disposed by contractor at their own expense.</p>	item16	4.00	Cum		0.00
1.17	<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>	item17	30.00	Kg		0.00

1.18	<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. locking arrangement for sliding window, 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 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 transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)-</p>	item18	30.00	Kg		0.00
1.19	<p>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 made from tubular sections as per IS 1161(round hollow sections) or box sections (square, rectangular hollow sections as per IS 4923), plates 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) Note: <input type="checkbox"/> The fabrication work shall be confirm IS standard <input type="checkbox"/> The quoted rates should be inclusive of the all materials, labours, one coat of primer, welding rods for all structural sections, bolts, washers, Scaffolding (Wherever necessary), welding with old MS member as per suit and site conditions with taken care of safety measures, Payment shall be made only for actual material fixed at site as per standard measurement (weights) only. Rolling margin and wastage shall not be paid.</p>	item19	40.00	Kg		0.00

1.20	Providing and fixing of full threaded Anchor fastner rod- M10 x 115 (Material-Carbon steel of grade C 4.8 or above and Zinc plated) with Epoxy resin anchor grout chemical (for RCC-High loading capacity, Non corrosive for rebar element, ,Approved by European technical assessment, Fire resistance) and for Brick Masonary- (Fire resistance and high corrosion resistance) including drilling in R.C.C. etc., for all height and levels etc., The installation and the setting instructions of anchor fastner and chemica should be strictly followed as per the manufacturer's recommendations. Complete all as instructed and directed by Engineer-in-charge. The Payment shall be made on the actual quantity of bolts fixed at the site.	item20	8.00	No		0.00
1.21	Providing and Applying two or more coats of Synthetic enamel paint / aluminum paint on MS member using 1st quality paint from approved manufacturer of approved colour and shade to give an even shade including scaffolding, removing of rust, cleaning the surface, preparing the surface to receive paint including filling cracks and creaves with Putty or other approved filler materials, applying two coats of paint to steel work. cost also includes thinner, filler, putty and other materials, necessary labours etc. complete as directed by Engineer in charge at all heights, in all floors. Painting on false ceiling includes taking down the material, surface preparation, Primer, paint and fixing the material back after painting. Note:- Actual painted area will be measured and paid. (1) Synthitic enamel Paint of approved brand (2) Putty suitable to Mild steel members of approved brand Note:- Measurements for GI fencing, factor 0.5 will be applicable on painted surface area.	item21	2.00	Sqm		0.00
1.22	Cutting of opening in the existing sandwich partition / plywood / sintex panel / acoustic panel etc. in size of approx. size 1.1m x 2.7 m with the help of cutter or any other required tool. Cost includes skilled manpower along with required tools.	item22	1.00	job		0.00
1.23	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.	item23	25.00	Rmt		0.00
1.24	Providing and fixing hinges of Stainless steel of size 100mm*58mm*1.9mm including bolt, SS screw and other necessary connections and as directed by EIC.	item24	8.00	No		0.00
1.25	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	item25	2.00	No		0.00
1.26	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	item26	4.00	No		0.00

1.27	Supplying and fixing Chromium plated Brass lock 4 levers 100mm of approved quality aluminum door lock with two keys, suitable either to single or double leaf shutters including making necessary recess in aluminum frame and fixing the lock with CP. Brass steel screws, etc.; complete as directed by Engineer-in-charge.	item27	2.00	No		0.00
1.28	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)	item28	5.00	Sqm		0.00
1.29	Providing and fixing compact sheet of 5 mm thickness and approved shade of approved Make inside wooden/Aluminium partition / door etc; complete all as per approved drawing, colour, design & direction by Engineer-in-charge. The finished size of the panel shall be measured and paid. The cut edges of the compact sheet shall be provided with masking tape. Rate also includes for providing hole compact sheet of required size and at required spacing.	item29	3.00	Sqm		0.00
1.30	Extra for providing and placing in position 2 Nos 8mm dia. M.S. bars at every third course of half brick masonry	item30	45.00	Sqm		0.00
1.31	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyrifos/ Lindane emulsifiable concentrate of 20%- ISI Mark	item31	15.00	Ltr		0.00
2.00	Civil works for (2) Renovation of PhD students Laboratory near old switch yard area at IPR campus, Bhat, Gandhinagar - 382428					
2.01	Dismantling existing GI roofing sheet including ridges, hips, valleys and gutters, removing of screws, cleaning of existing area etc; and stacking and shifting the materials within 500 mtrs lead. complete as directed by Engineer-in-charge.	item32	75.00	Sqm		0.00

2.02	<p>Providing and fixing pre-coated galvalume sheets of minimum 550 MPa yield profile sheets for roofing and ridge pieces (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 film 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 of ridge piece, transportation, lifting of sheet to any lead and lift using safe practice up to shed, fixing etc complete)</p>	item33	75.00	Sqm		0.00
2.03	<p>Removing dry or oil bound distemper, water proofing cement paint, lime wash 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 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>	item34	185.00	Sqm		0.00
2.04	<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. Note:-for internal walls/ceiling 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>	item35	115.00	Sqm		0.00
2.05	<p>Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/ litre Note:- For Internal wall only, rates includes scaffolding. Measurements will be done as per relevant IS Code. Complete all as directed by EIC</p>	item36	115.00	Sqm		0.00

2.06	<p>Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.</p> <p>TWO coat</p> <p>Note:- Rates includes scaffolding, crack opening and filling with approved filler material. Measurements will be done as per relevant IS Code. Complete all as directed by EIC</p>	item37	115.00	Sqm		0.00
2.07	<p>Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives.</p> <p>New /old work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm, including scrapping, sand papering and preparing the surface, complete in all respect as per the direction of Engineer-in-Charge.</p> <p>Note:- Rates includes scaffolding, surface preparation, crack opening and filling with approved filler material (filling cracks - SBR polymer with cement as per manufacturers specification). The paint coefficient will be 1.00 irrespective of applying on plain / sand face plaster / brick surface. No extra measurement will be paid for painting on rough or sand face plaster or brick surface with groove. Complete all as directed by EIC</p>	item38	70.00	Sqm		0.00
2.08	<p>Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :</p> <p>Two or more coats on new /old work over an under coat of suitable shade with ordinary paint / wood primer (on wood surface) / zinc based primer (on metal surface) of approved brand and manufacture</p> <p>Note:-Paint will be applied on steel and wood work, Rates includes scaffolding, oil based putty on wood work. The surface area of MS members (roof truss, purlin, girders etc) will be measured and paid. However measurements of doors and windows will be taken as per relevant IS code. Complete all as directed by EIC</p>	item39	55.00	Sqm		0.00
2.09	<p>Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :</p> <p>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 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</p>	item40	50.00	Rmt		0.00
2.10	<p>Supplying chemical emulsion in sealed containers including delivery as specified</p> <p>Chlorpyrifos/ Lindane emulsifiable concentrate of 20%</p>	item41	10.00	Ltr.		0.00

2.11	Removing and relaying of the existing false ceiling of cement sheet or other hard board with thermocoal ceiling including removing of screws, cleaning of ceiling pannels etc, stacking of serviceable materials at suitable place and disposal of unserviceable materials within 50 metres lead. Re-laying of the said panels after completion of the roofing Gl. sheet replacing work including minor repairing work of the false ceiling grid work, cleaning of entire hidden surface etc. complete as directed by Engineer-in-charge	item42	50.00	Sqm		0.00
3.00	Civil works for (3) Construction of control room of CTD Section at IPR campus, Bhat, Gandhinagar -382428.					
3.01	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 eccessary 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) : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).	item43	20.00	Kg		0.00
3.02	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 eccessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber. locking arrangement for sliding window, 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 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 transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)-	item44	35.00	Kg		0.00

3.03	<p>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 made from tubular sections as per IS 1161(round hollow sections) or box sections (square, rectangular hollow sections as per IS 4923), plates 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)</p> <p>Note:</p> <ul style="list-style-type: none"> <input type="checkbox"/> The fabrication work shall be confirm IS standard <input type="checkbox"/> The quoted rates should be inclusive of the all materials, labours, one coat of primer, welding rods for all structural sections, bolts, washers, Scaffolding (Wherever necessary), welding with old MS member as per suit and site conditions with taken care of safety measures, Payment shall be made only for actual material fixed at site as per standard measurement (weights) only. Rolling margin and wastage shall not be paid. 	item45	440.00	Kg		0.00
3.04	<p>Providing and fixing of full threaded Anchor fastner rod- M10 x 115 (Material-Carbon steel of grade C 4.8 or above and Zinc plated) with Epoxy resin anchor grout chemical (for RCC-High loading capacity, Non corrosive for rebar element, Approved by European technical assessment, Fire resistance) and for Brick Masonary- (Fire resistance and high corrosion resistance) including drilling in R.C.C. etc., for all height and levels etc., The installation and the setting instructions of anchor fastner and chemica should be strictly followed as per the manufacturer's recommendations. Complete all as instructed and directed by Engineer-in-charge.</p> <p>The Payment shall be made on the actual quantity of bolts fixed at the site.</p>	item46	36.00	No		0.00

3.05	<p>Providing and Applying two or more coats of Synthetic enamel paint / aluminum paint on MS member using 1st quality paint from approved manufacturer of approved colour and shade to give an even shade including scaffolding, removing of rust, cleaning the surface, preparing the surface to receive paint including filling cracks and creaves with Putty or other approved filler materials, applying two coats of paint to steel work. cost also includes thinner, filler, putty and other materials, necessary labours etc. complete as directed by Engineer in charge at all heights, in all floors. Painting on false ceiling includes taking down the material, surface preparation, Primer, paint and fixing the material back after painting.</p> <p>Note:- Actual painted area will be measured and paid. (1) Synthetic enamel Paint of approved brand (2) Putty suitable to Mild steel members of approved brand Note:- Measurements for GI fencing, factor 0.5 will be applicable on painted surface area.</p>	item47	20.00	Sqm		0.00
3.06	<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>	item48	35.00	Rmt		0.00
3.07	<p>Providing and fixing hinges of Stainless steel of size 100mm*58mm*1.9mm including bolt, SS screw and other necessary connections and as directed by EIC.</p>	item49	4.00	No		0.00
3.08	<p>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</p>	item50	1.00	No		0.00
3.09	<p>Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm</p>	item51	2.00	No		0.00
3.10	<p>Supplying and fixing Chromium plated Brass lock 4 levers 100mm of approved quality aluminum door lock with two keys, suitable either to single or double leaf shutters including making necessary recess in aluminum frame and fixing the lock with CP. Brass steel screws, etc.; complete as directed by Engineer-in-charge.</p>	item52	1.00	No.s		0.00
3.11	<p>Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer Hafele make Item code- 931.84.749 (having brand logo with ISI, IS : 3564, 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.</p>	item53	1.00	No.s		0.00
3.12	<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>	item54	5.00	Sqm		0.00

3.13	Providing and fixing compact sheet of 5 mm thickness and approved shade of approved Make inside wooden/Aluminium partition / door etc; complete all as per approved drawing, colour, design & direction by Engineer-in-charge. The finished size of the panel shall be measured and paid. The cut edges of the compact sheet shall be provided with masking tape. Rate also includes for providing hole compact sheet of required size and at required spacing.	item55	1.00	Sqm		0.00
3.14	<p>P/F 50 MM PUF insulated Panel with flat Ribbed sheet at top and bottom side 0.45 mm 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, silicon 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 silicon sealants.</p> <p>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>	item56	25.00	Sqm		0.00
Total in Figures						0.00
Quoted Rate in Words						INR Zero Only

an old switch yard area (3) Construction of control



to be entered (Bidder Name and Values only)
available on online CPWD portal
availability of detailed specification in CPWD 2019, Specification
mentioned in Schedule of Quantities as a result of adopting detailed
basis. The Debris from debris bin shall be cleared every month.
shall be levied.
complete as per directions of Engineer-in-charge. Payment of the
for payment. Other debris generated during work will be disposed
& agency has to deposit Bank Guarantee/ deposit as required.
ss, Diversions/ change of directions etc. at his own cost during
wages Act 1948 and as per provisions in contract conditions.
chicken wire mesh at his own cost. No separate payment for any
y and record in the registers on daily basis / weekly basis or after
onstruction of control room of CTD Section at IPR campus, Bhat,
or must visit the site to understand scope, lead, lift, height before

TEXT #
TOTAL AMOUNT In Words
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