

INSTITUTE FOR PLASMA RESEARCH
NEAR INDIRA BRIDGE, BHAT, GANDHINAGAR -382 428 (INDIA)

PART - I : FINANCIAL BID

Name of work: Tender for Miscellaneous Civil works at FCIPT campus, Plot No. A/10/B, GIDC, Sector - 25, Gandhinagar

IPR TENDER Notice No : IPR/TN/CIVIL/01/2020 dated 28th January 2020 (Two Bid System)

From

NAME OF THE CONTRACTOR :

Offer no & date:

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
	Note : 1)For more detailed description of any material or item contained in the BOQ, please refer Part-II technical bid. If the detailed specs for a particular item is not contained in the Part-II technical bid, the description given in the BOQ shall have to be referred. 2) All items mentioned in the tender shall be executed as per the instruction and direction of Engineer-in-charge.				
1	Excavation in all sorts of the soils up to depth as mentioned below for any works i.e. foundation, over areas etc. including shoring, strutting and dewatering if required, dressing of sides, trimming and ramming bottom including refilling the excavated earth in plinth/ foundation trenches / Disposing the additional excavated earth inside campus including watering, compacting in layers not exceeding 150 mm to 200 mm thick etc. complete as per specification and as directed by the Engineer-in-charge. i. Excavation up to 1.50 Mt depth Note: No extra payment shall be made for cleaning of mud due to rain, disposing the additional excavated earth inside Campus. The contractor will also be required to take necessary care of pipelines, cables, existing	Cum	2.50		0.00
2	Earth filling with available earth at optimum moisture content in layers not exceeding 20cms in thickness consolidating each layer by ramming in dovetail sections using frog rammer, watering and finishing to required slope with all lifts and lead etc. as directed by the Engineer-in-charge. (Concrete depth shall be measured for payment)	Cum	1.60		0.00
3	Providing and laying Cement Concrete 1:4:8 (1 cement : 4 coarse river sand : 8 stone aggregates using 40/20mm nominal size graded hard granite / black trap stone aggregate obtained from quarry) including compaction, finishing top surface to the level, curing, including cost of formwork etc. complete as per specification and as directed by the	Cum	2.60		0.00
4	Providing & laying in position Reinforced Cement Concrete at all lead	Cum	5.75		0.00

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
5	Providing and erecting rigid and water tight centering and shuttering form work using best quality wooden planks / plywood sheets steel centering plates including, strutting propping, bracing, staging, etc., complete as per specification and for RCC items fixed in position for all concrete elements vertical, horizontal or inclined in all shapes at any level below and above plinth including necessary Scaffolding, fastener nails, wires keeping in position till concrete is laid and keeping in position concrete members have acquired required strength, removal thereafter including providing and applying shuttering oil etc. complete as per specification and as directed by Engineer in charge for column foundations, pedestals, wall footings, beams, grade slabs, coping, cable	Cum	25.00		0.00
6	Supplying, fabricating and fixing in position TMT reinforcement bars Fe-500 D confirming to IS-1786 - 2008 reinforcement for RCC structures / items as per design including transporting steel to the work site, handling, decoiling, cutting, bending, cranking, fabricating to required shape	Kg	320.00		0.00
7	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 including roof truses, columns, beams, bracings, platforms, spiral staircase, doglegged staircase, brackets, gantry girders, monkey ladder, cattle trap, railings, gates, support for polycarbonate sheets, barbed wire & chain link fencing MS frame work, insert plate, round windows, handles for window, supporting frames for paneling, false ceiling etc. made from TATA tubular sections as per IS 1161(round hollow sections) or TATA structural box sections (square, rectangular hollow sections as per IS 4923) or rolled steel sections (equal and unequal angles, flats, channels, I beams, pipes and plates of different sizes) 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, gridding, finishing edges, filling the welded spots with paint, grouting in the RCC members members including painting all the sections with one coat of yellow oxide primer and applying two coat of enamel paint "Asian / Berger/ Nerolac / ICI /Dulux" including preparing the surface 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	Kg	2000.00		0.00
8	Providing, erecting and grouting Structural steel work of factory made	Kg	20.00		0.00
9	Providing and fixing pre-coated galvanized iron profile sheets of 0.45 mm total coated thickness (TCT) zinc coating 150 grams per sqm as per IS: 277, in 300 Mpa steel grade, Pre-coated on top and bottom, Plain sheet	Sqm	200.00		0.00
10	Providing and fixing pre-coated galvanized iron profile sheets of 0.38 mm total coated thickness (TCT) zinc coating 150 grams per sqm as per IS: 277, in 300 Mpa steel grade, Pre-coated on top and bottom, Plain sheet corner piece "L" shape using TATA BLUESCOPE COLOR BOND (size, shape as approved by Engineer-in-charge). Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. The sheet shall be fixed using self-drilling/self-tapping screws f size (5.5 x 55 mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, silicon sealant at joints complete as per specification and 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,	Sqm	6.00		0.00

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
11	Providing and fixing of "M/s Hilti" make anchors HAS E M-10 x 90 x 21 with HIT-RE 500 chemical including drilling in R.C.C. etc., for all height and levels etc., complete as approved by manufacturer, instructed and directed by Engineer in charge	No	20.00		0.00
12	Providing and fixing of "M/s Hilti" make anchors HAS E M-10 x 90 x 21 with HY-270 chemical including drilling in masonry etc., for all height and levels etc., complete as approved by manufacturer, instructed and directed by Engineer in charge	No	20.00		0.00
13	Providing and laying PCC 1:2:4 using 10mm nominal size stone aggregate (1 cement : 1.5 fine sand : 3 stone aggregate) in "GOLA" of 75mm deep and 75mm height into the Beam / masonry and 100mm projection from internal face varying thickness of concrete from 75mm at wall to 25mm thick at end and compacted and finishing with 6mm thick CM 1:3, using integral water proofing chemical (Dr. Fixit LW+) and bonding chemical (concrete super bond) curing, making the vata leak-proof etc. complete as	Rmt	26.00		0.00
14	Providing and laying average 15 mm. thick single coat smooth finishing using steel float (mala finish) plaster in CM 1:4 (1 cement : 2 fine sand : 2 coarse river sand), on brickwork / RCC work / blocks / sills / soffits / jambs at all floors / all levels / all heights / all shapes and for all sizes with necessary scaffolding, providing and fixing of 150 mm wide chicken mesh jail at junction of RCC and brick masonry using screw / dhoba nails, curing, making grooves, forming pattas, closed hacking properly	Sqm	30.00		0.00
15	Providing and Applying two or more coats of Exterior Acrylic Textured matt water proof paint including exterior acrylic prime coat using 1st quality paint from approved manufacturer "APEX Textured Exterior Emulsion - Asian, Weather coat - Berger, Nerotex Matt (Texturised) - Nerolac " of approved colour and shade to give an even shade walls, beams, ceilings including scaffolding, cleaning and preparing the surface to receive paint including filling cracks and creaves with approved filler materials and cost of paint, acrylic exterior primer, thinner, filler, other	Sqm	30.00		0.00
16	Providing and applying of Painting internal old painted surface / new plastered surfaces with two or more coats of PREMIUM EMULSION PAINT of approved brand and colour (Asian "Apolite premium emulsion" or Dulux "super clean" or Berger "Rangoli" or equivalent) to give an even shade with required finish over & including cost of a coat of water thinnable cement primer including removing of old paint, scrapping the surfaces using sand papers of appropriate grades, cleaning the surfaces, filling the cracks and crevices with approved filler material and making extremely smooth surfaces using BIRLA Putty in Two or more coats, making the edges & corners of beams / walls straight & sharp, inline & level with excellent workmanship in surface preparation including scaffolding, curing, etc. complete as per specification and as	Sqm	70.00		0.00

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
17	Supplying and fixing standard steel rolling shutters made out of mild steel strip slats or laths of deep convex corrugations made from tested steel sheets conforming to IS-277 specifications for galvanized steel sheets, 63mm to 75mm wide, 1.25mm thick, machine rolled and straightened with an effective bridge depth not less than 15mm including interlocking the laths throughout the length, mounting on specially designed pipe shaft including all accessories such as top cover of required size, side guides of size 63.5mm*25.4mm (2.5" * "1") made out of 10g thick plate and 'L' reinforced Angle iron fixed outside brackets, suspension shafts, top rolling springs made out of strong and best tested continental spring, hood covers made out of mild steel sheets not less than 0.90mm thick, bottom rails, locking arrangements, painting with one coat of yellow oxide primer and three coats of enamel paint of approved make including preparing the surface, cleaning etc. complete as per specification and as directed by Engineer - in - Charge.	Sqm	18.00		0.00
18	Demolishing P.C.C. work including making the surface rough for proper bonding, disposing off the debris outside campus at any leads and lifts, scaffolding etc., for all lead, lift, height and levels etc., complete as directed by the Engineer - in - charge	Cum	0.90		0.00
19	Demolishing R.C.C. work including cutting of bars, cleaning of rust, making the surface rough for proper bonding, disposing off the debris outside campus at any leads and lifts, scaffolding etc., for all lead, lift, height and levels etc., complete as per specification and as directed by the	Cum	1.00		0.00
20	Cutting and removing of the kota stone at 5 places to fix MS plate of size 200x200 for all lead, lift, height and levels etc., complete as per specification and as directed by the Engineer - in - charge	Job	1.00		0.00
21	Providing and fixing heavy duty hydraulic door closer conforming to IS 3564 of size no. - 2 of approved quality and make such as "Everite / Aluminite" inclusive of making adjustments and sorting it for smooth operation, etc.; as directed by Engineer in charge	No	1.00		0.00
22	Supplying and fixing Chromium plated Brass lock 4 levers 100mm 'Laxmi' or equivalent make, 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.;	No	1.00		0.00
23	Providing and fixing at all heights/in all floors with all leads powder coated / Anodizing (20 microns) best extruded Aluminum sections for doors / partitions / ventilators manufactured from JINDAL / INDAL or equivalent make confirming to ISI, cut to length, joints mitered and corners grinded with joints water proof the outer frame and shutter frame stiffened with corner angle strips, fixing the frame with masonry and RCC, the frame work fixed with standard approved fastenings all generally as per details shown in drawings and specification with all the section pretreated for removal of any rust and prevention of further rust formation and finished with powder coating / Anodizing of approved shade including cost of fixtures for hinged openings (arrangement with steel bearings wherever necessary), cost of providing and fixing aluminum decorative handles, door fittings like tower bolts, door stopper	Kg	85.00		0.00
24	Providing and fixing 5 mm thick clear float Glass in aluminum door or partitions panes including providing and fixing EPDM quality rubber of desired shape, size and approved quality and fixing with Aluminum glazing clips/aluminum bearings etc. at all height complete as per Specification and as directed by Engineer In charge. (Supply cost of Aluminum clips /aluminum beading are measured in the item of aluminum sections for DOORS/WINDOWS /PARTITIONS etc.) The	Sqm	14.00		0.00

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
25	Providing and fixing compact sheet of 5 mm thickness and approved shade of Make "Sundek, bloom, Bakelite, century or equivalent" inside wooden partition / door etc; complete all as per approved drawing, colour, design & direction by Engineer-in-charge. The battens shall be measured and paid under item no. 1 for woodwork. The finished size of	Sqm	5.00		0.00
26	Providing and fixing, to wall, ceiling, floor and underground, approved quality, heavy duty, 6 Kg/cm ² . working pressure polythelene (PVC) pipes, of Supreme, Prince or equivalent ISI approved, open, low density, complete, including jointing with rubbering and airtight joints, with necessary specials couplers, elbow, with necessary support like brackets with teak wood spacer/batten (hot dip galvanized 25X2mm flat)/clamps (chilly make with 3mm minimum thickness) maximum at 1.00 Mt C/C etc., and lubricant or jointing material, including Making of hole in RCC/Brick masonry, testing, cutting, making good the wall, ceiling and floor with CM 1:3 etc. complete of 160 mm diameter complete at all leads	Rmt	2.00		0.00
27	Providing, laying, jointing, fixing, testing, commissioning PVC pipes schedule 80 conforming to ASTM-D-1785 with heavy grade UPVC plain and brass threaded specials, cutting the pipes to the required lengths, PVC solvent jointing the pipes chasing the walls and floors, making the holes, clamping to walls using the wooden spacers or clamps and restoring the same to the original conditions, necessary excavation (up to 0.90 Mt deep), testing, sand bedding of 150 mm thickness, refilling etc. complete as per psecification and as directed by Engineer-in-charge and	Rmt	250.00		0.00
28	Providing, laying, jointing, fixing, testing, painting, commissioning 25 mm N.B. GI pipes, medium grade of TATA, Asian, Jindal, IS 1239 approved with a minimum weight of 2.46 Kg/mtr GI specials, cutting the pipes to the required lengths, threading, jointing the pipes, chasing the walls and floors, making the holes, clamping to walls using wooden spacers or clamps, P/A Anti - corrosion protection paint as per manufacturer's specification, testing, including excavation (up to 0.90 Mt	Rmt	5.00		0.00
29	Providing and Fixing in position approved best Indian make heavy quality screw down Gun metal Gate valve with hand wheel of following sizes conforming to IS:778 and bearing ISI mark including testing, making good the leakages etc. complete as per specification and as directed by	No	3.00		0.00
30	.-Do - as per above item No. 29 but for - 50 mm NB - with GI / UPVC flange and nipple on both sides.	No	2.00		0.00
31	Providing and laying Bricks masonry works using common burnt clay conventional building bricks confirming to IS 1077-1986 of having crushing strength not less than 35 Kg/cm ² . in foundation and plinth, in CM 1:6 (1 cement :6 find sand), in any shape & all depth, including curing, scaffolding, racking / flush jointing, roughing of the existing	Cum	1.00		0.00
32	Demolishing Brick masonry work including making the surface rough for proper bonding, disposing off the debris outside campus at any leads and lifts, scaffolding etc., for all lead, lift, height and levels etc., complete as per specification and as directed by the Engineer-in-charge	Cum	0.50		0.00

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
33	Providing and Constructing Valve Chamber, of clear size 600x600x450 mm depth, as shown and mentioned in the drawings, curing, scaffolding, all as per specifications, including, # Excavation, disposing of surplus material within a distance of 100 Mt. # Filling of available excavated earth in foundation pits including watering, consolidating, dressing etc; # Providing and Constructing 230 mm thick Brick masonry in CM 1:6 in foundation. # P/ Laying 150 mm thick Plain Cement Concrete in CC 1: 4: 8 for foundation trenches, flooring and haunching. # P/ Laying (P/L) 150 mm thick Reinforced Cement Concrete in CC 1: 2: 4 for slab/coping at Ground level. # P/L centering and shuttering for RCC. # P/Fabricating/laying TMT bars as per drawing.(8 mm dia bars @ 100 c/c both ways # P/L 12 mm thick Water proof plaster in CM 1:3 inside, outside and top exposed surface. # P/Fixing Cast Iron covers with	No	1.00		0.00
A	Total Amount for Works (A) (in Rs.)				-
B	Rebate in Rs. (If Any):				
C	Total Amount for flase ceiling works after rebate (in Rs.) including all taxes				-
Note: This is an indivisible works contract. The rates quoted shall include all taxes including Goods and Service Tax					
1) If the rate cells left blank, it will be treatas as "0" (ZERO) 2) Kindly enable the Macros if you receive the "Security Warning" message. (Click on options in					