

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

**PART - I : FINANCIAL BID**

Name of the Work: Miscellaneous works (Providing and fixing Concertina Coil & Chain link Fencing on existing Compound wall, Epoxy flooring and allied works ) at IPR  
IPR Tender Notice No : IPR/TN/CIVIL-PR/01/2020 dated 3rd March 2020 (Two Bid System)

NAME OF THE CONTRACTOR :

Offer no & date:

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
	<b>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.</b>				
1	Providing & fixing concertina coil fencing of required dia ~600 mm over existing compound wall upto 6m height, over the existing angle iron 'Y' shaped placed 1.5 - 2 m apart and with 9 horizontal R.B.T.stud tied with G.I.Staple / clips to retain horizontal, including necessary bolts	RMT	2014.00		-
2	Providing and fixing G.I CHAIN LINK FENCING of size 50 mm x 50mm x 10 guage x 10 guage over the existing compound wall fixed with screws/bolts/welding using 25 mm x 5 mm flat to the existing angle iron Y shaped using GI binding wire including providing 10 Guage GI wire horizontally at top and bottom including cost of all materials required for the work etc. complete at all heights / levels all as directed by the Engineer-in-charge.	SQM	1084.00		-
3	Supplying, fabricating and erecting in position MS flats of 25 x 5 mm steel works in single sections including cutting, hoisting, fixing in position, applying two coats priming coat of zinc chromate primer and painting with two coats of aluminium paint, using bolts, nuts as necessary all as per drawings and specifications at all heights.	M.T	0.66		-
4	<del>In flats of all thicknesses</del> Providing and painting with two or more coats with ALUMINIUM PAINT of approved make including cleaning the surfaces, necessary scaffolding, etc; including providing and applying two coats of zinc croamte primer etc. complete all as per specifications over the <b>chain link fencing and the Flats</b> fixed over the existing compound wall. for all height at all levels complete and as per paint manufacturers specifications and as directed by engineer-In Charge.	SQM	1084.00		-
	<del>Note: The coefficient of painting one side is 0.5, i.e for both the sides</del>				

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
5	Providing and Painting with TWO or more coats with ALUMINIUM PAINT of approved make including cleaning the surfaces, necessary scaffolding, etc; including providing and applying two coats of zinc croamte primer etc. complete all as per specifications <b>over the existing MS angle post fixed</b> over the existing compound wall. for all height at all levels complete and as per paint manufacturers specifications and as directed by engineer-In Charge.  Note : The perimeter of the angles/ sections and length shall be mesured for calculating the area for application of the paint and coefficient of wastage.	SQM	484.81		-
6	Dismantling of existing barbed wire or flexible wire rope from the existing Y angle fencing over the existing compound wall upto 6m high including making rolls and stacking and submitting the same to the stores IPR at a location within the Institute Campus, as directed by EIC.	KG	4699.00		-
7	Providing and constructing RANDOM RUBBLE MASONRY in cement mortar 1:6 using hard granite stones obtained from approved quarry with RCC bond stones at every 0.50 sqm of wall surface in cement mortar in mixes stipulated below without pinning on face, but including raking out joints and pointing flush in same mortar including curing, etc; complete as per specifications in SUPER STRUCTURES FOR ALL HEIGHTS / ALL LEVELS/ ALL FLOORS on EXISTING WALLS. (Rate includes cost of bond stones wherever provided). (Mix ratio specified is for cement : coarse	CUM	21.00		-
8	Suppling, fabricating, assembling, hoisting/ erecting and fixing in position at all heights and with all leads, structural steel works of welded built-up sections, all as per structural drawings and as per detailed specifications (for materials and workmanship) in the situations described hereinafter including a)cutting of components to required lengths/ widths and shapes/profiles, b)smooth machining of edges/ faces , c) welding (electric arc welding) at joints of built-up sections/ single sections for required weld lengths and sizes and d) painting all over with two coats of Aluminium paint of approved quality , make and colour/shade over two coat of zinc chromate primer with surfaces duly prepared to receive painting etc., complete all as directed by the Engineer-in-charge  NOTE : Fabrication shall be in a perfectly workmanship like manner and as provided in Section V and VI of IS 800 and IS 7215. Welding shall be carried out by qualified welders. Electrodes for welding, the procedure, selection, test and inspection shall conform to provisions in IS 816, IS 818, IS 822, and IS 833. Erection/hoisting shall commence only after passing of fabricated parts by the Engineer -in- charge.	KG	2146.00		-
9	Providing and laying brick on edge using 115mm thick using bricks of CLASS DESIGNATION 3.5(Minimum Average Compressive strength not less than 3.50N/sqmm) laid in proper grade and camber including filling sand in joints preparing the base, providing two bricks thick vertical brick kerbing at edges etc; complete all as per specifications, at all level at all location as directed by Engineer In Charge.	SQM	72.00		-
10	Plastering 20mm thick with cement mortar 1:4 finished rough including scaffolding, curing, etc; complete for EXTERNAL SURFACES of stone masonry/ brick masonry walls, sills, jambs, soffits, etc; complete all as per specifications for heights upto 10 mtr above GL. Mix specified is for	SQM	13.00		-
11	Shifting of Existing gates (4 nos of wicket gates at location as per drawing ) from the existing location on the pathway to another location adjacent to pathway beside the compound wall, including dismanteling, excavation , removing the support post , and excavating at new location, erecting and filling with cement concrete to hold in postion , and all necessary to complete the job. The rate to include the cost of cement concrete 1:3:6, tools and tackles complete as per direction and instruction of Engineer in	JOB	1.00		-

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
12	Providing and laying in position REINFORCED CEMENT CONCRETE of Grade RCC 1:1.5:3 using graded hard stone aggregate of 20mm nominal size obtained from approved quarry including mechanical mixing, vibrating, compaction, finishing, curing, etc; complete all as per specifications but excluding the cost of form works and steel reinforcement. (Rate to include labour for keeping embedments if any, wherever required while casting). Mix ratio is specified is for (cement : coarse sand : graded stone aggregate) up to SUPER STRUCTURES FOR ALL HEIGHTS / ALL LEVELS/ ALL FLOORS on EXISTING WALLS. In walls (any thickness), including attached pilasters, buttresses, plinth and	CUM	3.00		-
13	Supplying & laying / tying in position steel reinforcement bars for all R.C.C items manufactured by SAIL, TISCO, RINL (VIZAG STEEL) , JSW Steel, Jindal Steel & Power limited ( under brand name of "JINDAL PANTHER") or equivalent PRIMARY make confirming to IS 1786 for all RCC items including decoiling, cutting, hooking, bending, cranking, fabricating to required shape, placing in position and tying the system at each junction with soft drawn annealed binding wire of diameter not less than 1.00mm with 2 strands etc; complete all as per specifications at all heights and in all floors (binding wire will not be measured for	KG	253.00		-
14	Providing rigid and water tight centering and shuttering using best quality wood/ plywood/ steel forms and centering with steel props, acro tubes etc., including strutting, propping, bracing, staging etc., complete for all RCC items fixed in position as required including labour for careful removal of form work etc., complete all as per specifications at all heights. In Horizontal / Vertical/ slanting surfaces.	SQM	15.00		-
15	Providing and laying in position of 10mm dia M.S. Bar at all heights and with all leads including cutting, welding, Painting all over with two coats of Synthetic enamel paint of approved quality , make and colour/shade over two coat of Yellow zinc chromate primer with surfaces duly prepared to receive painting etc. complete all as directed by the Engineer-in-charge.	SQM	78.00		-
16	Supplying & laying / tying in position steel reinforcement bars for all R.C.C items manufactured by SAIL, TISCO, RINL (VIZAG STEEL) , JSW Steel, Jindal Steel & Power limited ( under brand name of "JINDAL PANTHER") or equivalent PRIMARY make confirming to IS 1786 for all RCC items including decoiling, cutting, hooking, bending, cranking, fabricating to required shape, placing in position and tying the system at each junction with soft drawn annealed binding wire of diameter not less than 1.00mm with 2 strands etc; complete all as per specifications at all heights and in all floors (binding wire will not be measured for	KG	196.00		-

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
17	<p>Providing and applying 3.0 mm thick epoxy self-smoothing flooring as per manufacturer specification of M/s Fosroc ,on concrete surface . Carrying out necessary surface preparation, including grinding (if required) of concrete surface, proper cleaning, removing of loose materials, repairing of construction joints using epoxy putty, application of Nitoprime 25-epoxy penetrating primer for concrete surface, using brush or roller, allow to become touch dry depending upon temperature, mixing all components of Nitoflor SL 3000 - Heavy duty flow applied epoxy resin based floor topping using slow speed drill and poured prepared screed surface at 3.0 mm DFT, and levelling the material using serrated trowel and rolling the same with spiked nylon roller to remove slight trowel marks and entrapped air from the material etc. complete including all tools and tackles as per manufacturer's specification. Complete at all level at all floor, complete as per Instruction and Direction of Engineer-In-charge</p> <p>Note: The vata of 150mm on the verticle wall (all around) surface should also be applied with the same chemical in two coats using brush. The measurement of same shall be considered in sqm along the floor measurement and paid accordingly.</p> <p>NOTE : (1) The contractor shall prepare a sample and get it approved by the department free of cost. After approval the work shall be carried out. The sample work shall be carried out well in advance and got approved. (2) <del>All laying procedures should conform to manufacturers specifications</del></p>	SQM	251.00		-
18	<p>Providing and fixing at all heights / in all floors with all leads Anodised Aluminium sections for the Shutters and shutter frame of the cupboard and the fixed covering of the electrical cutout / partitions, manufactured from aluminum sections of Jindal/ Indal/ Hindalco make having minimum 60 micron powder coating of approved shade &amp; colour(including special colors) on sections for all floors/ all levels/ all heights/ all shapes/ all sizes as per the drawing, specifications. The quoted rate shall be inclusive of providing aluminium sections, powder coating, bending, cutting, fabrication, erection and fixing to the best workmanship manner with all type of wastage, also providing sliding lock with autolocking of ebbco make for the shutter and including of</p> <p>1) Sheet metal screws, wool pile and aluminium angle corner cleat of required thickness and of full width, etc. for assembling the frame and shutter; 2) Best quality wool pile where ever shutter touches the frame; 4) Anchor fasteners of Hilty/ Mungo/ Fischer for fixing the frame assembly to the RCC or masonry surfaces. Minimum 1 anchor fastener shall be used for every 750mm length of section for stability of frame.3. Providing sealant all around the aluminium frame and sections as approved by the EIC.</p>	KG	34.92		-
19	<p>Providing and fixing rough ground (packing) in the gap between wall and door-window frame/ cupboard frame, to fix Partition(if required). The rate shall be inclusive of :</p> <p>1) providing and fixing average 6-8mm thick compact sheet of width as per aluminium section / frame / shutter member.</p> <p>2) filling the gap between wall and frame on both sides (outside and inside) with polyethylene backer rod of average 10 mm thickness of make Supreme and color and then sealing the remaining gap with neutral grade G/M (Glazed &amp; Metal) weather silicon sealant / structural sealant of make Wacker/ Dowcorning/ GE/ Soudal/ Bostik of approved color. Work shall be carried out as per approved shop drawings and approved sample at all floors/ all levels/ all heights/ all shapes. Installed</p>	Sqm	0.73		-

Sr. No.	Description of Work	Unit	Total quantity	Rate (in Rs.)	Amount (in Rs.)
20	Providing and fixing wired Glass of ~ 6 mm thick including 1 mm thick ss wire @ every 1 cm horizontal & vertical of make Modi guard / Saint Gobain / Asahi / Gopal glass make of any size, any shape and specified thickness in frame and shutter work with necessary cutting of glass as per drawing & specifications including providing and fixing with EPDM quality rubber/ silicon sealant/ structural sealant /3M tape on the periphery of the glass as per the required thickness etc. complete at all floors/ all levels/ all heights as per specifications. Actual visible glass installed quantity shall be measured and paid. Rate shall be inclusive of all	Sqm	4.61		-
21	Providing and fixing GI Mosquito Mesh of ~24 guage over the cabinet of required dimension as per drawing .	Sqm	1.00		-
<b>A</b>	<b>Total Amount for Works (A) (in Rs.) including all taxes</b>				-
<b>B</b>	<b>Rebate in Rs. (If Any):</b>				
<b>C</b>	<b>Total Amount for Works after rebate (in Rs.) including all taxes</b>				-
Note: This is an indivisible works contract. The rates quoted shall include all taxes including Goods and Service Tax (GST) at applicable rates and levies, duties, cess etc., payable under respective statues. Deductions as per statues will be effected from the bill and remitted to the Department concerned.					
<b>1) If the rate cells left blank, it will be treatas as "0" (ZERO)</b>					
<b>2) Kindly enable the Macros if you receive the "Security Warning" message. (Click on options in</b>					