

## Price-Bid (Part-B)

## BOQ/Schedule of Quantities

**Name of work: PRE-FABRICATED PORTA STRUCTURE FOR ESTABLISHING HALL FOR ACCOMADATION OF STUDENTS AT IBN-E-SINA GIRLS HOSTEL**

S.NO	Description of work	Unit	Qty	Rate	Amount
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	3.67		
2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	0.21		
3	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	sqm	6.00		
4	Steel reinforcement for R.C.C. work including traightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	40.00		
5	Brick work with common burnt clay F.P.S. (non Modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1.52		
6	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses 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	kg	1,120.00		
7	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with aluminium Flat 15x3 mm and nuts & bolts complete. Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	sqm	16.74		
8	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	sqm	75.00		

9	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking 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 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50mm 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.</p> <p>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. sqm 1746.25</p>	Sqm	73.00		
10	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	sqm	18.00		
11	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	sqm	25.00		
12	<p>Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:</p> <p>New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)</p>	sqm	125.00		
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	250.00		
14	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	sqm	250.00		

15	Wall painting with acrylic emulsion paint, 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. Wall painting with acrylic emulsion paint, 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. Two coats	sqm	125.00		
16	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground for all leads including all lifts involved and as directed by Engineer-in-charge within the campus premises.	cum	10.00		
17	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	cum	10.00		
18	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	4.00		
19	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 Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	55.00		
20	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	each	2.00		

21	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 each 1	each	2.00		
22	Providing and fixing S.S. hanging floor door stopper with necessary screws etc. complete. Twin rubber stopper	Each	2.00		
23	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. 0.63 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	metre	8.30		
24	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalties, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	Sqm	224		
25	Walls - The walls shall be made out of sandwich panel made of two fiber reinforced cement facing sheets on either sides of a lightweight concrete core. The core is made from a mix of Portland cement and binders. These fiber cement boards shall be of thickness up to 5 mm. The core shall compose of Portland cement and a mix of silaceous & micaceous material. These panels shall have unique tongue and Groove locking arrangements for jointing. The overall walls shall be 75mm thick. Make:Everest Rapicon Wall./ HIL	Sq. Ft.	635.00		
26	Providing and fixing the powder coated aluminum Door with extruded built up standard tubular sections of size top, vertical and middle 3.25"x1.75" of 16 gauge, 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, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling ,c.p brass/stainless steel screws, all complete as per the direction of Engineer in charge. The door having the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color including p/f the aluminium tower bolt, al-drope. door stopper complete as requi	Sqft	35.00		

27	Providing and fixing the powder coated aluminum sliding window with bombay sliding section and frame with extruded built up standard tubular sections of size top, vertical and middle 3.25"x1.75" of 16 gauge, 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 .Aluminum sections shall be smooth ,rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for wire mesh ,c.p brass/stainless steel screws, all complete as per the direction of Engineer in charge. The door has the 5mm thick glass on top and on bottom 12 mm thick particle board of approved color including p/f the aluminium tower bolt, al-drope. door stopper complete as required.	Sqft	180.00		
28	Roofing. The roof shall be covered by Hi quality Metallic colour coated profiled sheets 0.40mm. Make: Asian/Essar/Equivalent. Providing and fixing of self drilling Screws of size-12/25 and 12/55 with epdm washers at the roofing sheet to protect the water leakage.	Kg	380.00		
29	Bubble Sheet Insulation Of Roof. Supply and installation of insulation of bubble sheet of 12mm.	Sq. Ft.	900.00		
30	Painting M.S. tubes with synthetic enamel paint with two coats over a ready mixed priming coat, both of approved quality for new work : 72x72 mm ,40x80mm and 40x60mm tubes	metre	225.00		
<b>Total amount i/c GST</b>					

Contractor Signature with seal