

PRICE -BID**Schedule of Quantities for Civil Works to be taken up at Naval Base Branch ,
Visakhapatnam**

S.No	Description of Item	Unit	Quantity	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 : 8 graded stone aggregate 40 mm nominal size)	Cum	2		
2	Providing and Placing VRCC 1:11/2:3(1 Cement : 1 1/2 coarse sand : 3 graded stone aggregate 20 mm nominal size). Including shuttering.	Cum	18		
3	Providing and fixing Reinforcement steel including cutting, bending and placing in position strictly as per provisions. All lap lengths are to be followed as laterst revision of IS Code.	Kg	2200		
4	Providing and fixing Mild stell bars of 20mm dia including cutting, bending and welding in the form of mesh at 250mm below roof level in locker room. Rate quoted should be inclusive of painting with iron primer and two coats of eamel painting. Rate quoted should be inclusive of necessary support mechanish to ensure that mesh will be in position without sagging.	Kg	1300		
5	Window Grills: Providing and fixing MS Grills to windows with 12mm Sq. MS bars spaced at 75mm c/c in both directions. Grills should have alroud 25mm x 25mm x 6mm angle . Each side Grill should have 2No.s 125mm long hold fasts embded in wall using CC 1:2:4 . Rate quoted should include necessary masonry work for fixing of grill. Grill should be painted withpriming coat of red lead paint and two coats of enamel paint	Sq.m t	30		

6	Collapsible Gate : Providing and Fixing in position collapsible steel shutters with vertical channels 20x10x2 mm braced with vertical Channels 20x5 mm size with top & bottom rails of T-Iron 40x40x6 mm with 38 mm dia steel pulleys complete with bolt, nuts, loking arragement, stoppers handles including applying a priming coat of red lead paint and two coats of enamel paint	Sq.m t	20		
7	Rolling Shutter: Providing and Fixing in position interlocking rolling shutters of approved make of 18 guage 75mm wide cold rolled MS lathe interlocking, including top cover, spring, axles, guide rails, tees, iron pulleys, bearings, handles, etc., and shutters of push and pull arrangements, with holding down bolts embedded in CC 1:2:4 including two coats of enamel paint over one coat of primer etc and two coats of enamel paint.	Sq.m t	16		
8	Providing and laying 230 mm thick brick masonry in walls with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels in proper plumb, line and level, including scaffolding, curing, racking of joints etc. including providing 2 nos. 6 mm dia bars after every fourth course complete as per instructions at site	Cum	18		
9	Providing and laying 115 mm thick brick masonry in walls with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels in proper plumb, line and level, including scaffolding, curing, racking of joints etc. including providing 2 nos. 8 mm dia TMT bars after every fourth course complete as per instructions at site.	Cum	7		
10	Plastering 20mm thick to all uneven faces of masonry walls with a base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara spong finishing, including cost and conveyance of all materials to site, all labour charges, seigniorage charges scaffolding, curing etc., complete for finished item of work. use 43 Grade Cement	Sq.m	400		

11	<p>Exterior Painting: Providing and applying at all heights the Berger weather coat smooth/Apex Ultima paint to all type of cement plasters, concrete, exterior ceiling etc. or surface/ sub straits (which are subjected to continuous seepage and dampness). The surface to be painted shall be made free from any loose paint, dust , grease and any fungus, algae or moss on it shall got be removed thoroughly by vigorous wire brushing and cleaning with water. Then one coat of professional exterior grade wall primer be applied after which any surface imperfection such as holes, dents, fine cracks shall be corrected by filing with wall putty. Thereafter second coat of exterior grade wall primer and again surface imperfection to be corrected. Thereafter Berger weather coat smooth/Apex Ultima paint be applied in two coats. All materials shall be of Asian/ British/ Nerolac make.</p>	Sq.m	150		
12	<p>Long Body bib Cock :Supplying and Fixing of Long Body Bib Cock of approved make (Quarter turn) series, Chrome finish with 7 years warranty with necessary fittings etc., complete including cost and conveyance of all materials, labour charges for finished item of work.</p>	Nos	3		
13	<p>Angel Valve: Supplying and Fixing of Angle valve with necessary fittings etc., complete including cost and conveyance of all materials, labour charges for finished item of work</p>	Nos	10		
14	<p>Health Faucet :Supplying and Fixing of Health faucet with necessary fittings etc., complete including cost and conveyance of all materials, labour charges for finished item of work</p>	Nos	3		
15	<p>Pillar Cock: Supplying and fixing of pillar cock of approved make</p>	Nos	4		
16	<p>Towel Ring :Supplying and Fixing of Towel ring , complete, including cost and conveyance of all materials, labour charges for finished item</p>	Nos	3		

17	Soap Dispenser: Supplying and Fixing of Soap Dispenser complete, including cost and conveyance of all materials, labour charges for finished item	Nos	3		
18	EWC: Supplying and fixing of floor mounted EWC of approved make with basic cost ₹8000 with complete accessories.	Nos	3		
19	Wash Basin: Supplying and fixing of Wash Basin with Bottle trap of approved make with basic cost ₹6000 including flush tank with complete accessories.	Nos	3		
20	Urinal : Supplying and fixing of Flat Back Urinal of approved make with basic cost ₹3000 with complete accessories.	Nos	2		
21	Mirrors: Providing and fixing of 5 mm thick of size 600mmx450mm beveled edge mirrors of approved make and quality, frame less fixed with SS studs etc inclusive of all materials, labours, tools, tackles, consumables etc all complete as directed by the Bank. Make-Modi guard/saint-gobain or Equivalent	Nos	3		
22	Wall Tiles: Providing and fixing of wall tiles of 300x600 size of approved colour, design and make over a base plaster of 15mm thick on the brick work and 12 mm thick cement plaster 1:4 leveling course and filling / grouting the joints with white cement slurry mixed with approved matching colour with tiles at all levels with all required tools, plants, materials and labour required to complete the work in all respects as directed by Bank. The scope work is also inclusive of disposal of debris out of Bank campus on weekly basis, failing which Bank will make arrangements for the disposal at the risk & cost of the contractor. The Basic cost of the tile is Rs.400.00 per Sq.Mt the above basic cost does not include tax, transportation etc at site should be assumed to arrive the tender rate. No extra claim towards wastage. Make: Johnson, Nitco, Kajaria or Equivalent all complete as directed by Bank	Sq.m t	50		

23	Floor Tiles: Providing and laying of anti skid floor tiles of approved colour and design 10 mm thick floor tiles of approved make and 300x300mm size fixed over 20 mm thick cement base mortar 1:6. The scope work is inclusive of providing proper slopes for better drainage of water to the traps, filling the joints with neat cement and matching pigment etc complete in all respects as directed by Bank. The basic cost of the tile is Rs 450.00 per Sq.Mt. The above basic cost does not include tax, transportation etc at site should be assumed to arrive the tender rate. No extra claim towards wastage Make: Johnson, Nitco, Kajaria or Equivalent	Sq.m t	13		
24	Dismantling (cutting by manual/mmachine) and excavating existing vitrified flooring. flooring and carting away debries to a disposal site approved by local Municipal authorities.	Sq.M t	55		
25	Dismantling of existing false ceiling (Grid type and Gypsum) and carting away debries to a disposable site approved by local Municipal authorities.	Sq.M t	10		
26	Dismantling of existing wall tiles, bathroom flooring. and carting away debries to a disposable site approved by local Municipal authorities.	Sq.M t	50		
27	Dismantling of existing brick work (up to 300mm thick) and carting away debries to a disposable site approved by local Municipal authorities.	Sq.m t	15		
28	Dismantling of existing windows along with grill of size 1800x 1500 and stacking them carefully at a place specified by Bank and refixing the same without grill.	Nos	7		
29	Removing of Collpasible gate and rolling shutters	Sq.m t	40		

30	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes of 20 mm dia of approved quality and make, having thermal stability for hot and cold-water supply, including providing and fixing CPVC plain & brass threaded specials of same make, fixing the pipes with clamps at 1 mtr. spacing for concealed work including cutting chases in the wall to the required depth, connecting to the existing duct line, jointing of the pipes and fittings with one stop CPVC solvent cement of approved quality and make, making good the damages, etc. complete. The rate shall include for pressure testing of joints/ pipelines for leakage etc., all complete as directed by the Bank's Engineer.	Mts	50		
31	Same as above for 25mm dia.	Mts	20		
32	Providing, laying and testing 150mm dia PVC drain pipes along with bends , coupling etc. Rate quoted should include earth work if any, required for laying pipe.	Mts	10		
33	Providing and fixing Nahni traps of 100mm dia with SS jolly.	Nos	8		
34	uPVC Doors with Door Frame : Providing of Factory made prelaminate FPVC (Foamed Polyvinyl Chloride). Door frame of the size 105x40mm with a wall thickness of 10mm made out of extruded rigid FPVC profile mitre joined with 6Nos. of 50mm long screw. The door frame shall be fixed to the wall by using 80mm long screws through the frame with the help of PVC fasteners of 3 no's to be provided for each vertical member, GI stiffeners of ("U" channel of size 29x9x1mm, 150mm long) -3 no's at hinge point, Frame reinforcement of("U" GI channel of size 46x22x.06mm),Bottom tie rod of ("U" GI channel size of 15x15x1mm) etc. complete as per manufacturers specification for finished item of work. Maximum door frame size : 980 x 2070 including providing of 35mm thick Factory made of Prelaminated ABS (Acrolonitrile Butadyne Styrene)	Nos	3		

	<p>Door shutter moulded in different designs, consisting of all round Frame made out of water proof u PVC bar of size 20x32mm, reinforced by 32x 32mm - 2 nos. for vertical made out of LVL (Laminated Veneer Lumber), core material of 32 mm thick high density craft paper honey comb board, sandwiched on both sides with prelaminate ABS sheet thickness of 1.5mm . PVC edge banding of size 0.45mm on the vertical sides. Hardware made out of steel coated butterfly hinges - 3 Nos. for each shutter and ISI make S.S round lock completes for finished item of work. The rate shall be inclusive of all the material, labour, hardware, transportation necessary required for the complete execution of the item as directed by the Engineer in charge. Make: NCL, WINTEC</p>				
35	<p>Granite Platform: Supply and laying of 18-25mm thick Black galaxy granite slabs with double edge moldings and granite strip attached under the granite over hung to make it look thick all material,labour, installation, transportation, lead, lift, consumables, tools, tackles, instruments, machines, etc all complete as directed by the Engineer-in-charge. Rate quoted should be inclusive of cutting of granite for fixing SS Sink</p>	Sq.m	2		
36	<p>SS Sink : Supplying and fixing stainless steel sink of overall size 610 x 458 mm with bowl size 22" x 16" x 9" conforming to SS 304 grade/1mm thick of approved make, the joints with granite slab shall be sealed thoroughly with epoxy/ silicon sealant, including all necessary fittings and fixtures, CP waste coupling, PVC flexible waste pipe etc. all complete as directed by the Bank's Engineer. Rate quoted should be inclusive of swan neck cock.</p>	Nos	1		

37	<p>Cash Room Door Frame :Providing wood work in frames of doors framed and fixed in position including painting the portion in contact with masonry/RCC with two or more coats of Anti-termite treatment paint and fixing the frames with suitable MS holdfast duly embedded in PCC 1:3:6 or with dash fasteners in column surfaces wherever required including a coat of wood filler as per directions of Engineer-in-Charge. Using well seasoned teak wood with two or more coats of melamine polishing on one side and Duco paint on the other side to give an even shade complete as per site condition/requirement and approval of Engineer-in-Charge. The rate quoted should be for complete work and nothing extra will be paid for any minor variation required to complete the work.</p>	Cum	0.15		
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38	<p>UPVC Windows:Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass</p>	Sq.m	10		
	Total				
	Contingencies (5%)				
	NET TOTAL				