

CONSTRUCTION OF FLOOD MANAGEMENT, PREVENTATION, AND INFRASTRUCTURE DEVELOPMENT AT SMBZAN-ICQ						
ENGINEER'S COST ESTIMATE						
BASED ON COMPOSITE SCHEDULE OF RATES CSR-2023						
CIVIL WORKS						
Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
		SCHEDULE ITEMS-A				
		Earth Work				
1	CH:3 item 7(d)	Earthwork excavation in open cutting upto 5ft. (1.5m) depth for storm water channels, drains in open area, roads, streets lanes and shoring to protect existing works, shuttering and timbering the trenches dressed to designed level and dimension, trimming from trenches, backfilling and disposal of surplus excavated material upto 50ft (15m) including dressing, excluding removal of surface water from drains.	Cu.ft.	2,495.00		-
2	CH:1 item 1(a)	Carriage of 100 Cft. (2.83 cu.m) of all materials like Clay, stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor 25 % Extra to be paid for hilly area, 25% Extra for Hard Area, 20% more for Kucha Road, 15% more for desert road Upto 1st Km	Per km	25.00		-
3	CH:4 item 45(b)	Dismantling and removing road pavement, etc. including screening and stacking of by product upto 100 ft. (30 m.) lead.	Cu.ft.	26.50		-
4	CH:4 item 19	Dismantling plain cement concrete				-
4.1	(A)	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes	Cu.ft.	43.75		-
5	CH:4 item 20	Dismantling reinforced cement concrete, separating reinforcement from concrete, clearing and straightening the same	Cu.ft.	126.00		-
		Plain and Reinforced Concrete				
		COLUMNS AND PILLARS				
6	CH:5 item 5-15(c)	Providing and laying 1:2:4 in situ cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in super structure including compacting, curing, cost of form-work & its removal				
		Ground Floor	Cu.ft.	264.24		-
		BEAMS, SLABS AND LINTELS				
7	CH:5 item 5-16(a)	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal compacting and curing.				
		Plinth Protection and channel	Cu.ft.	81.96		-
8	CH:5 item 5(a)	Providing and laying 1 : 2 : 4 plain machine mixed cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.				
			Cu.ft.	2,334.85		-
		Steel Reinforcement				
9	CH:5 item 65 (a)	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providingsuch over-laps as are not shown on the drawings. The cost of bindingwire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m)height				-

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	CH:5 item 65 (a)	Ground Floor	Ton	0.649		-
		Block Masonry				-
10	CH:9 item 1 c	Providing and laying 1:4:8 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing				-
	(i)	8" (200 mm) thick solid block masonry				-
			Cu.ft.	370.07		-
		Finishing External				-
11	Ch-15 item 4 (iii)	3/4 inch (19mm) thick cement plaster 1:4 cement mortar ratio using Coarse Sand on Externl walls and columns including making edges, corners and curing.				-
		Ground Floor	Sq.ft.	513.50		-
		Finishing Internal				-
12	Ch-15 item 3 (iii)	13mm (1/2") thick cement plaster 1:4 cement mortar ratio on Internal wall and coloumns including making edges cornor and curing.				-
		Ground Floor	Sq.ft.	477.00		-
13	Ch-28 item 27	Providing and fixing iron grills as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood	Kg	235.00		-
14	Ch-21 item 58-1	Providing and laying kerb stone 18" x 12" x 6" (450mm x 300mm x150mm) obtained from approved quarry, chisel dressed on top and sides, laid in cement mortar 1:4 ruled cement pointing in cement mortar 1:3 including cost of excavation and backfilling of excavated stuff and its disposal within 30 m.	R.M	15.24		-
15	Ch-27 item 44(b)	Providing and fixing LDPE overhead tank double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor	Nos	1		-
16	30-123 (a)	Supply and install 35 gallons electric geyser	Nos	1		-
17		Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables Concealed wiring with 3/4" (20mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.	Points	12		-
	30-8 a					-
18		Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVCdown pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material. W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm)	Each	2		-
	23-2 (A-i)					-
19	M1137	Wash Basin 18" (450 mm) White colour	Each	2		-
20	27-46 (a iii)	PPRC Pipe 25 mm	Rft	78		-
21	M2009	Elbow FM 25x1/2	Nos	10		-
22	M1828	Elbow	Nos	15		-

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23	M1854	Socket 25 mm	Nos	6		-
24	M1947	Tee 25 mm	Nos	6		-
25	M1643	PPRC Pipe 32 mm	Rft	65		-
26	M1829	Elbow 32 mm	Nos	2		-
27	M2012	Socket FM 32x3/4 mm	Nos	2		-
28	M1866	Socket 32x25 mm	Nos	12		-
29	M1950	Tee 32 mm	Nos	2		-
30	M1495	PVC Pipe 4"	Rft	200		-
31	M1496	PVC Pipe 3"	Rft	50		-
32	27-35 a ii	PVC Y Tee 4"	NOs	1		-
33	27-35 a i	PVC Y Tee 3"	Nos	4		-
34	M1164	Water Closet Plastic flushing cistern	Nos	2		-
35	M3093	Muslim Shower CR (Complete Set including Pipe)	Nos	2		-
	Total "A"(Schedule items) C/o to Summary of Cost:					-
						-
		NON SCHEDULE ITEMS-B				-
	NSR	Septic Tank Pump				-
36		Providing, installation, testing, and commissioning of submersible pump set (2 HP) with 2" diameter PVC pipe, complete with non-return valve, elbows, tees, sockets, and all required accessories. The work includes proper alignment, secure jointing of fittings, and ensuring uninterrupted water flow up to 60 feet distance, complete in all respects as directed by the Engineer-in-Charge	NO	4.00		-
	NSR	Fixing Floor Tiles			-	-
37	NSR	Removal and dismantling of existing uprooted floor tiles including scraping and removal of underlying adhesive/bonding material up to 2 inches thick, cleaning of surface and salvaged tiles, and re-fixing of the same existing floor tiles in original alignment using approved tile adhesive such as Rescheme Bond 210 or equivalent, complete in all respects as per manufacturer's instructions and engineer-in-charge's direction. The rate shall include all labor, tools, consumables, cleaning, surface preparation, and proper disposal of debris.				-
			Sft	950.00		-
38	NSR	Fiber shed to be fabricated using double-ply roofing/sheeting, supported on a framework made of 1.5" x 1.5" mild steel (MS) square hollow section pipes, 18-gauge thickness, with rust-proof/anti-corrosive treatment (rost iron finish).	Sqft	56		-
39	NSR	Gate wall 32 mm	Nos	2		-
40	NSR	P Trap 3"	Nos	4		-
41	NSR	PVC Elbow 45 4"	Nos	4		-
42	NSR	PVC Elbow 45 3"	Nos	10		-
43	NSR	manhole	Nos	3		-
44	NSR	Double Bib Cok	Nos	6		-

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		Bamboos Work				
45	NSR	Providing and fixing bamboo partitions in the male and female waiting areas up to a height of 6 ft, including supply of good quality, seasoned bamboo of uniform thickness, free from cracks and defects. The partition shall be installed in proper alignment using suitable supporting framework of MS/wooden battens as required, fixed securely in position. Joints shall be neatly tied/fastened with G.I. wire/nails/screws to ensure rigidity and durability. The partition surface shall be finished smoothly and made safe for public use.				
			Sq.ft	522		-
46	NSR	Providing and laying Vitrified / Porcelain tiles of size 600mm x 1200mm (24"x48"), glazed/matt finish, imported (non-Chinese), conforming to approved make & shade, laid over 6 mm thick layer of cement-based high polymer modified quick set tile adhesive of approved brand (Ressicem), including joint filling with matching shade epoxy grout, complete as directed by the Engineer-In-Charge. The work includes cutting, finishing, alignment, labour charges for fixing, curing, cost of materials, adhesive, wastage (5%), handling, and all sundries etc. complete in all respects				
			Sq.ft	110		-
		Total "B"(Schedule items) C/o to Summary of Cost:				-
		Net Total (A+B)				-

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