

SUMMARY OF COST		
REPAIR AND MAINTANANCE WORK AT SMBZAN-ICQ		
ENGINEER'S COST ESTIMATE		
BASED ON COMPOSITE SCHEDULE OF RATES CSR-2023		
S/N	DESCRIPTION	AMOUNT (Rs.)
A	SCHEDULED ITEMS	
	• CIVIL WORK	2,308,308
	Sub Total (A) :	2,308,308
B	NON-SCHEDULED ITEMS	
	• CIVIL WORK	231,400
	Sub Total (B) :	231,400
	Sub Total (A+B) :	2,539,708
	INCLUSION OF B.R.A @ 15% :	380,956
	GRAND TOTAL :	2,920,664
	IN MILLION :	2.921

CONSTRUCTION OF ELECTRIC SOLAR HALL 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.	3,212.68	17.72	56,929
2	CH:3 item 16	Filling, watering and compacting earth under floors in layers not exceeding 8 inches in thickness.				
2.1	A)	With surplus earth from foundation etc.	Cu.ft.	1,702.00	6.15	10,467
3	CH:4 item 45(a)	Dismantling and removing road metalling	Cu.ft.	280.88	16.04	4,505
4	CH:4 item 19	Dismantling plain cement concrete				
4.1	(A)	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes	Cu.ft.	262.15	118.25	30,999
		Plain and Reinforced Concrete				
		CONCRETE				
5	CH:5 item 5-6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in sills and Bed Plate including formwork and its removal, compacting and curing	Cu.ft.	1,950.00	428.83	836,218.50
		Steel Reinforcement				
6	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				
	CH:5 item 65 (a)	Ground Floor	Ton	0.64	354,350.42	227,492.97
		Brick Masonry				
7	CH:11 item 12	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing (iii).Cement sand mortar 1 : 4				
	b)	9" (225 mm) thick Solid Brick masonry				

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	11-12b(iii)	Ground Floor	Cu.ft.	360.00	444.91	160,167.60
		Finishing				
8	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.				
	15-4 (iii)	Ground Floor	Sq.ft.	2,354.00	62.56	147,266.24
9	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	2,033.00	396.50	806,084.50
10	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	37.45	752.41	28,177.75
	Total "A"(Schedule items) C/o to Summary of Cost:					2,308,308
		NON SCHEDULE ITEMS-B				
		SepticTank Rings				
11	NSR	Providing and installation of precast concrete manhole rings for Circular Septic Tank inner diameter 900 mm,height of each ring 250 mm,wall thickness not less than 75 mm,Smooth finish, free from honeycombing, cracks, and surface defects.	NO	35.00	1,000	35,000.00
	NSR	Septic Tank Pump				
12		Supply, installation, testing and commissioning of a 2 hp submersible pump, make Hyundai or equivalent, with all accessories.	NO	4.00	43,500	174,000.00
14	NSR	Fixing Floor Tiles				
		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.				

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Item No.	REF. Nos CH/ITEM	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
			Sft	140.00	160	22,400.00
	Total "B"(Schedule items) C/o to Summary of Cost:					231,400
		Net Total (A+B)				2,539,708