

**Terrace Water Proofing**

SOR	Item	No.	L	B	H	QTY.	Unit	RATE	AMOUNT
10.41	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down grade) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per								
	STAFF QUARTER 2 BHK	4	100.00			400.00			
	STAFF QUARTER 1 BHK	4	80.00			320.00			
	PRINCIPAL QUARTER	1	150.00			150.00			
						<b>870.00</b>	<b>metre</b>	<b>68.00</b>	<b>59160.00</b>
4.13	Grading roof for water proofing treatment with:								
4.13.1	Cement concrete 1:2:4 (1 cement : 2 coarse aggregate 20 mm nominal size) sand : 4 graded stone								
	building terrace								
	STAFF QUARTER type II	4	18.00	12.000	0.075	64.80			
	STAFF QUARTER type I	4	15.00	8.000	0.075	36.00			
	PRINCIPAL QUARTER	1	15.00	15.000	0.075	16.88			
						117.68			
	ADD 10 % FOR PARAPET					<b>11.77</b>			
			<b>Total</b>			<b>129.44</b>	cum	3817.00	494082.00
11.5	Neat Cement punning.								
	STAFF QUARTER type II	4	18.00	12.000		864.00			
	STAFF QUARTER type I	4	15.00	8.000		480.00			
	PRINCIPAL QUARTER	1	15.00	15.000		225.00			
						1569.00			
	ADD 10 % FOR PARAPET					<b>156.90</b>			
			<b>Total</b>			<b>1725.90</b>	sqm	33.00	56955.00
17.1	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead :								
17.1.1	Thickness upto 15mm								
	STAFF QUARTER type I	4	14.00	11.500		644.00	sqm	132.00	85008.00
	<b>Total</b>							<b>Rs.</b>	<b>695205.00</b>
	<b>Say Rs in Lacs</b>							<b>Rs.</b>	<b>6.95</b>

**SUB-ENGINEER  
ACTWD KORBA**

**ASSISTANT-ENGINEER  
ACTWD KORBA**

<b>SCHOOL WINDOW REPAIRING</b>									
<b>Based on PWD SOR 2015 &amp; Electrical SOR 2020</b>									
<b>SOR</b>	<b>Item</b>	<b>No.</b>	<b>L</b>	<b>B</b>	<b>H</b>	<b>QTY.</b>	<b>Unit</b>	<b>RATE</b>	<b>AMOUNT</b>
9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:)								
9.47.2	For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately).				kg/sqm				
	<b>window</b>	60	1.20	1.20	7.00	604.80			
						<b>604.80</b>	<b>Kg.</b>	<b>338.00</b>	<b>204422.00</b>
9.51	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
9.51.2	With float glass panes of 5 mm thickness								
	<b>window</b>	60	1.20	1.20		86.40			
						<b>86.40</b>	<b>sqm</b>	<b>708.00</b>	<b>61171.00</b>
8.13	Providing and fixing flush door shutters, conforming to IS 2202 (Part 1), interior grade, commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains, cross bands and face veneers on both faces of shutters excluding hinges.								
8.13.2	35 mm. thick (single leaf)	59	1.00	2.10		123.90			
						<b>123.90</b>	<b>sqm</b>	<b>708.00</b>	<b>87721.00</b>
8.121	Providing and fixing aluminium door latch with 12mm rod, necessary nickel plated iron nuts bolts and screws etc complete.								
8.121.2	250x12mm	50	x	2		100.00	each	51.50	5150.00
8.123	Providing and fixing aluminium door handles 2.5mm thick with necessary nickel plated iron screws etc complete.								
8.123.3	100 mm	50	x	2		100.00	each	21.50	2150.00

8.132	Providing and fixing stainless steel butt hinges IS : 12817 marked with necessary stainless steel screws etc complete.								
8.132.2	125x2.5mm (heavy)	50	x	6		300.00	each	76.50	22950.00
8.137	Providing and fixing stainless steel sliding door bolts with 16mm rod, 2.5mm thick flap, necessary stainless steel nuts bolts and screws etc complete.								
8.137.2	250mm	50	x	1		50.00	each	228.00	11400.00
8.138	Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete.								
8.138.2	250mm	50	x	1		50.00	each	85.00	4250.00
8.139	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete.								
8.139.1	250 x10mm	50	x	2		100.00	each	97.00	9700.00
8.141	Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete.								
8.141.3	125 mm	50	x	2		100.00	each	42.00	4200.00
8.144	Providing and fixing stainless steel fixed stopper with necessary stainless steel screws complete.								
8.144.1	100 mm long	50	x	2		100.00	each	96.50	9650.00
9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.								
						<b>kg/sqm</b>			
	W1	5	1.80	15.00	1.20	162.00			
	W2	5	1.50	15.00	1.20	135.00			
	W3	5	1.20	15.00	1.20	108.00			
	KW1	5	1.20	15.00	0.90	81.00			
	V1	5	0.75	15.00	0.60	33.75			
						<b>519.75</b>	kg	67.50	35083.13
19.6	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This included jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work								

	EXTERNAL WORK								
19.6.1	15 mm nominal outer dia pipes	1	#####			100.00	metre	91.50	9150.00
19.6.2	20 mm nominal outer dia pipes	1	#####			100.00	metre	121.00	12100.00
19.6.3	25 mm nominal outer dia pipes	1	#####			100.00	metre	165.00	16500.00
19.6.4	32 mm nominal outer dia pipes	1	#####			100.00	metre	228.00	22800.00
19.6.5	40 mm nominal outer dia pipes	1	#####			200.00	metre	300.00	60000.00
19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
19.16.1	25 mm nominal bore	1	32			32.00	each	436.00	13952.00
19.44	Cutting holes upto 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof.	1	110			110.00	each	94.00	10340.00
19.43	Cutting holes more than 20x20 cm and upto 30x30 cm in walls including making good the same :	1	110			110.00	each	125.00	13750.00
19.14	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required:								
19.14.1	Bib cock (400 grams)	1	50			50.00	each	382.00	19100.00
19.14.3	Long body bib cock (500 grams )								
	For Sink (Pantry & Kitchen)	1	10			10.00	each	426.00	4260.00
19.14.4	Piller Cock (400 grams)	1	50			50.00	each	398.00	19900.00
19.14.7	Angle valve for basin mixer and geyser points (450gms)	1	50			50.00	each	382.00	19100.00
19.14.6	Stop cock (concealed) (600 grams)	1	10			10.00	each	494.00	4940.00
19.15	Providing and fixing stainless steel drain jali of approved make/quality.	1	64			64.00	each	51.00	3264.00
18.22	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink without drain board as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :								
18.22.2	560x410 mm bowl depth 215 mm.	1	16			16.00	each	6210.00	99360.00
18.17	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :								

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**ASSISTANT-ENGINEER  
ACTWD KORBA**

EXTERNAL WATER SUPPLY										
S. No.	I. No.	PARTICULAR	Measurement				QTY	UNIT	RATE	AMOUNT
			NO	L	B	D/H				
1	19.9	Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete:								
	19.9.5	40 mm dia. nominal bore	1	100.0			100.00	metre	308.00	30800.00
	19.9.6	50 mm dia. nominal bore	1	400.0			400.00	Mtr	398.00	159200.00
	19.9.8	80 mm dia. nominal bore	1	100.0			100.00	Mtr	639.00	63900.00
2	19.10	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured)								
	19.10.4	50 mm nominal bore	10				10.00	each	347.00	3470.00
	19.10.6	80 mm nominal bore	10				10.00	each	632.00	6320.00
3	19.16	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):								
	19.16.4	50 mm nominal bore	10				10.00	each	762.00	7620.00
	19.16.6	80 mm nominal bore	10				10.00	each	1935.00	19350.00
4	19.48	Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :								
			11				11.00	each	4644.00	51084.00
		<b>Electrical SOR 2020</b>								
5	23.2	Supplying, installation, testing and commissioning of centrifugal type mono- block electric pump set for water supply system having following capacity three phase, 415 volts AC induction motor and pump including suitable channel iron base frame, suitable C.C. foundation and connection of suction and delivery line etc. as per specification.								



	23.2.3	7.5 HP, 650 LPM, 30 m head, suction size 80 mm, delivery size 65 mm	1.00	2.00			2.00	Each	21065.00	42130.00
6	23.9	Supply, installation, testing and commissioning of 10-15 HP 3 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as per specification. a) Phase indicating lamps with fuses and toggle switches 1 set b) 10/12.5/15 HP 3 phase automatic Star-delta starter with over load and no volt relay 1 No c) 32 A "C" curve TPMCB 1 No d) Voltmeter 0-500 V with selector switch 1 set e) Ammeter 0-10 A with CT's and selector switch 1 set.	1				1.00	Each	8157.00	8157.00
		<b>Electrical SOR 2020</b>								
7	23.11	Supply, installation, testing and commissioning of 1-3 HP 1 phase submersible motor starter cum control wall/ floor mounted type made out of not less than 1.6 mm thick MS sheet and comprising of following panel mounting switchgears there in including connection inter-connection etc. as required. a) Phase indicating lamps with fuses and toggle switches 1 set b) 1/2/3 HP 1 phase DOL starter with over load and no volt relay 1 No c) 25 A "C" curve DPMCB 1 No d) Voltmeter 0-250 V 1 set e) Ammeter 0-10 A 1 set	1				1.00	Each	4030.00	4030.00
		<b>Electrical SOR 2020</b>								
8	23.14	Supplying, laying and fixing following size submersible cable along with GI/PVC/HDPE pipe line or laid in ground etc as required								
	23.14.2	3x2.5 sqmm	1.00	150.00			150.00	Mtr	64.00	9600.00
		<b>Electrical SOR 2020</b>								

9	23.15	Supplying and making water proof joint with heat shrinkable joint kit including copper ferrules for following size of 3 core submersible copper conductor cable of 1.1 KV grade as required.								
	23.15.2	3x2.5 sqmm	1	3			3	Each	261.00	783.00
									<b>Total</b>	<b>406444.00</b>
									<b>To Say</b>	<b>4.06</b>

  
 Sub Engineer  
 TWD KORBA

Assistant Engineer  
 TWD KORBA