

SCHDULE OF QUANTITY

NAME OF WORK: Replacement of water tank, gate and elastomeric water proofing in roof of residential Qtrs. at K.V. 2 JLA, Bareilly (UP).

SLNo	Description	Qty	Unit	Rate	Amount
1	MASONRY WORK				
1.1	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 :				
1.1.1	Cement mortar 1:6(1 cement : 6 coarse sand)	2.51	cum	9105.95	22856.00
	Sub-Total				22856.00
2	WOOD AND P. V. C. WORK				
2.1	Providing and fixing to existing door frames.				
2.1.1	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	5.7	sqm	3253.80	18547.00
	Sub-Total				18547.00
3	STEEL WORK				
3.1	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
3.1.1	Using M.S. angels 40x40x6 mm for diagonal braces	4.75	sqm	5804.35	27571.00
3.2	Welding by gas or electric plant including transportation of plant at site etc. complete.	1500	cm	3.70	5550.00
	Sub-Total				33121.00
4	FINISHING				
4.1	Cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
4.1.1	12 mm cement plaster	24.62	sqm	449.55	11068.00
4.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
4.2.1	Two or more coats on new work	10.45	sqm	155.90	1629.00
	Sub-Total				12697.00
5	Dismantling and Demolishing				
5.1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	16.52	cum	3551.25	58667.00
5.2	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-in-charge.	4	sqm	1147.20	4589.00
5.3	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				

5.3.1	Of area 3 sq. metres and below	7	each	143.50	1005.00
	Sub-Total				64261.00
6	WATER SUPPLY				
6.1	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	8000	per litre	11.00	88000.00
	Sub-Total				88000.00
7	WATER PROOFING				
7.1	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge.	114.16	sqm	563.10	64284.00
	Sub-Total				64284.00
Total					303766.00
Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 * 303766 = 295564					295564.00
Add Cost Index @3% on SR&DR Total 295,564.00					8866.92
Grand Total					304430.92
Say					3,04,400.00

Assistant Engineer-II

CPWD, Bareilly