



09//06

2022-23

**OFFICE OF THE ESTATE OFFICER
MAHARANA PRATAP UNIVERSITY OF AGRICULTURE & TECHNOLOGY,
UDAIPUR (RAJ.)**

**Name of work : Repair and maintenance work of outside wall at Mechanical Engineering
Department CTAE**

G-Schedule

(Rates are based on PWD BSR:2019, Udaipur)

S.No.	Particulars	Qty.	Unit	Rate	Amount
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish lead up to 50 mtr and lift up to 1.5 mtr, All kinds of soil	1440.00	Sqm	4.46	6422.40
2	Earth work in excavation in foundation trenches or drains including dressing of sides and ramming of bottoms, lift up to 1.5 Mtr, including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in lead of 50 mtr. All kinds of soil.	476.91	Cum	164.00	78213.24
3	Filling available excavated earth (excluding rock) in trenches plinth side of foundation etc. in layers not exceeding 20 cm in depth consolidation each deposited layer by ramming and watering including lead up to 50 mtr and with all lift.	476.91	Cum	78.00	37198.98
4	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 mtr lead	1050.00	Sqm	8.00	8400.00
5	Providing and laying in position cement concrete including curing compaction etc . Complete in specified grade excluding the cost of centering and shuttering. All work up to plinth level using crusher broken aggregate,1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	56.79	Cum	2896.00	164463.84
6	Brick masonry in foundation and plinth with bricks of class designation 75 in Cement mortar 1:6 (1 cement : 6 coarse sand)	156.28	Cum	3672.00	573860.16
7	Providing and laying in position cement concrete including curing compaction etc . Complete in specified grade excluding the cost of centering and shuttering. All work up to plinth level using crusher broken aggregate,M15 grade Nominal Mix (with graded stone aggregate 20mm nominal size)	7.11	Cum	3802.00	27032.22
8	Cement concrete flooring grade 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) rounding off edges etc. but excluding the cost of nosing of steps etc. complete:75mm thick with 20mm thick nominal size aggregate.	216.00	Sqm	381.00	82296.00
9	Providing and fixing precast cement concrete coping 1:2:4 mix 50 mm thick complete as per specification:	118.30	Sqm	149.00	17626.70
10	Providing batta (gola) 75mm x 75mm in cement concrete (1:2:4) including finishing with cement mortar 1:3 as per standard design.	152.00	mtr	32.00	4864.00
11	Repair to stone masonry in cement sand mortar 1:6 with old and new stone.	50.00	Sqm	286.00	14300.00
12	Plaster on new surface on wall in cement sand mortar 1:6 including raking of joints etc. complete fine finish:20mm thick	521.20	Sqm	140.00	72968.00
13	Plaster on new surface on wall in cement sand mortar 1:6 including raking of joints etc. complete fine finish:25mm thick	1232.40	Sqm	162.00	199648.80
14	Finishing with neat cement (punning)	521.20	Sqm	28.00	14593.60

S.No.	Particulars	Qty.	Unit	Rate	Amount
15	Repair to cement Plaster in cement mortar 1:6 (1 cement :6 fine sand) including removal of old plaster in regular shape and white or colour washing	110.00	Sqm	168.00	18480.00
16	Centering and shuttering with steel plates/ plywood sheet including strutting, propping bracing both ways and removal of formworks for foundation in basement rafts, footings, straps beams, bases of columns etc. up to plinth level.	7.58	Sqm	161.00	1220.38
17	Providing and fabricating reinforcement for RCC work including straightening, cutting, bending, placing in position in binding (including cost of binding wire) all complete up to floor three level: Thermo mechanically treated bars (conforming to relevant IS:1786.)	422.60	Kg	72.00	30427.20
18	Providing and laying in position specified grade of reinforcement cement concrete all RCC structural elements upto plinth level including curing compaction finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints excluding the cost of centering shuttering and reinforcement:M20 Grade nominal mix (with graded stone aggregate 20mm nominal size)	2.25	Cum	4872.00	10962.00
19	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade :Two or more coats on new work including prepration of base with primer putty lippy complete in all respect.	2330.00	Sqm	92.00	214360.00
20	Painting with enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	200.00	Sqm	57.00	11400.00
21	P&F rigid PVC Pipe (IS:4985 mark) class II/ (4 Kg. /Cm2.) approved quality /make including joining the pipe with solvent cement rubber ring and lubricant.: 110mm dia	10.00	mtr	196.00	1960.00
22	Repair of door, window shutters including cost of material and labour for change of damaged :Panel by Wire Gauge 14 mesh x 24 gauge	10.00	Sqm	510.00	5100.00
23	Renewing glass panes, with putty and nails wherever necessary :4 mm thick plain glass panes.	10.00	Sqm	444.00	4440.00
		Total			1600237.52