

Bill of quantity for the work Cleaning of old garland drain, cutting of new garland drain and provision of concrete pipe culverts & pump foundations under monsoon action plan 2025-26 of Sayal D Project under Barka-Sayal Area.

S.N.	Description of Item	Qty.	Unit	UPDATED RATE	Amt(Rs.)
1	Part A (Cleanind and new drain cutting) Earth work in excavation by mechanical means (Hydraulic excavator) / drain not exceeding 1.5 m in width as well as 10 sqm on plan up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	10125.00	cum	91.59	927348.75
2	Part B(Hume Pipe Culvert) Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	243.00	cum	188.45	45793.35
3	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:3:6 (1 cement : 3coarse sand : 6graded stone aggregates 20 mm nominal size).	16.88	cum	5916.00	99862.08
4	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/ spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 1200 mm dia RCC pipes. (Laying by manual/ mechanical means)	75.00	metre	6905.20	517890.00
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m.	158.22	cum	114.40	18100.37
6	Part C(Pump foundatuon / Switch room size 4.0m x 4.0m) Earth work in excavation by mechanical means (Hydraulic excavator) / manual means foundation trenches, drain not exceeding 1.5 m in width as well as 10 sqm on plan including dressing of sides and ramming of bottom, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. (All kinds of soils).	1.89	cum	188.45	356.17
7	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1425.30	kg	77.95	111102.14

8	Providing and laying cement concrete of specified grade excluding the cost of centering and shuttering in all works up to plinth level : 1:2:4 (1 cement : 2coarse sand : 4graded stone aggregates 20 mm nominal size).	21.89	cum	6490.90	142085.80
9	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50mm +/- 5% total coated thickness (TCT) Zinc coating 120gsm as per IS:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protected guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length up to 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and GI limpet washers or with GI limpet washers filled with white lead complete upto any pitch in horizontal / vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	210.30	sqm	571.00	120081.30
10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	61.70	sqm	99.90	6163.83
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	9.45	cum	5322.15	50294.32
12	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	28.80	sqm	217.70	6269.76
13	Providing designation 75A one brick flat joints filled with local sand including cost of watering taxes royalty all complete as per buidling specification and direction of Engineer in charge.	80.00	sqm	332.91	26632.80
		Total			2071980.66
		Add GST @ 18%			372956.52
		Gross Amount			2444937.19