

बिहार सरकार
GOVERNMENT OF BIHAR
नगर विकास एवं आवास विभाग

BILL OF QUANTITY

NAME OF WORK : Construction of SWM Plant of 5 TPD Dry Waste at Nagar
Panchayat, Murliganj under District- Madhepura.

ESTIMATED COST : Rs. 55,01,432.00

PANCHAYAT : Murliganj

DISTRICT : Madhepura

NAME OF DIVISION : Nagar Vikas Pramandal,
Madhepura-Supaul, Madhepura

NAME OF CIRCLE : Nagar Vkas Anchal, Saharsa

BILL OF QUANTITY for the Construction of 5 TPD Wet Waste plant (Compost) at Nagar Panchayat, Murliganj under District- Madhepura.

Item No.	Description	Nos	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
Dry Waste Receiving Platform Estimate-A-6						
1	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m				
	2.6	Earthwork in excavation over areas(exceeding 30 cm in depth.1.5 min width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5m; disposed earth to be levelled and neatly dressed.	1.1000	/100SQM	1355.40	1,490.94
	2.6.1	All kinds of soil	44.0000	CUM	314.90	13,855.60
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
	2.28	Local Sand	33.0000	CUM	287.30	9,480.90
4	4.1.2	Providing and laying in position Cement Concrete of specific grade, excluding the cost of shuttering & centering. All works up to plinth level.				
		Cement concrete grade M-10 (Nominal Mix) with 20 mm maximum size of stone aggregate)	11.0000	CUM	4420.80	48,628.80
5	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	14.4000	CUM	5677.20	81,751.68
6	5.22.7C	Reinforcement for R.C.C.work including straightening, cutting, bending, placing in position and binding all complete.IS : 13920; IS 456 & SP :34) etc. complete.				
		Thermo-Mechanically Treated bars. (Fe 500 D or more)	1152.0000	KG	90.80	1,04,601.60
7	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : foundations, footings, bases columns	11.0000	SQM	211.10	2,322.10
Wet Waste Receiving Platform Estimate-A-7						
8	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m	1.0800	/100SQM	1355.40	1,463.83
9	2.6	Earthwork in excavation over areas(exceeding 30 cm in depth.1.5 min width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	43.2000	CUM	314.90	13,603.68
10	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
	2.28	Moorum/Local Sand	32.4000	CUM	287.30	9,308.52
11	4.1.2	Providing and laying in position Cement Concrete of specific grade,excluding the cost of shuttering & centering. All works up to plinth level.				
		Cement concrete grade M-20 (Nominal Mix) with 20 mm maximumsize of stone aggregate)	10.8000	CUM	4420.80	47,744.64
12	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate.	14.0000	CUM	5677.20	79,480.80
13	5.22.7C	Reinforcement for R.C.C.work including straightening, cutting, bending, placing in position and binding all complete.IS : 13920; IS 456 & SP :34) etc. complete.				
		Thermo-Mechanically Treated bars. (Fe 500 D or more)	1120.0000	KG	90.80	1,01,696.00
14	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for :	11.0000	SQM	211.10	2,322.10
Windrow Platform Estimate-A-10						
15	2.29.1	Surface Dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m	6.6700	/100SQM	1355.40	9,040.52

16	2.6	Earthwork in excavation over areas(exceeding 30 cm in depth, 1.5 min width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	266.8000	CUM	314.90	84,015.32
17	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
		Moorum/Hard copra/Local Sand	200.1000	CUM	287.30	57,488.73
18	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.				
		Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate)	56.7000	CUM	4420.00	2,50,614.00
19	5.33.A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	113.4000	CUM	5677.20	6,43,794.48
20	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP :34) etc. complete.				
		Thermo-Mechanically Treated bars. (Fe 500 D or more)	6804.0000	KG	90.80	6,17,803.20
21	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : foundations, footings, bases columns	19.2000	SQM	211.10	4,053.12
		Storm Water and Leachate drain Estimate-A-11				
22	2.29.1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	0.7910	/100SQM	1355.40	1,072.12
23	2.8	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 sq.m on plan including dressing of sides and ramming of bottoms lift upto 1.5m, including getting cut the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m.				
		All kinds of soil	63.2800	CUM	360.70	22,825.10
24	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.				
		Moorum/Hard copra/Local Sand	27.1200	CUM	287.30	7,791.58
25	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.				
		Cement concrete grade M-20 (Nominal Mix) with 20mm maximum size of stone aggregate)	9.0400	CUM	4420.80	39,964.03
26	5.33A.2.2	Providing and laying in position machine batched ,machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete Cement concrete grade M-20 (Nominal Mix) with 20 mm maximum size of stone aggregate	29.3800	CUM	5677.20	1,66,796.14
27	5.22.7C	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. IS : 13920; IS 456 & SP :34) etc. complete.				
		Thermo-Mechanically Treated bars. (Fe 500 D or more)	2350.4000	KG	90.80	2,13,416.32
28	4.3.1	Centering and shuttering including strutting, propping stretching etc. complete for and removal of form work by sheet plate or ply wood shuttering for : foundations, footings, bases columns	180.8000	SQM	211.10	38,166.88
		Road Development (Length 50M) Estimate-A-12				
29	2.03 RCD	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, sapling and tress girth upto 300 mm, removal of stumps of tree cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used of auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150mm in thickness U)	0.0275	Hectare	179690.60	4,941.49
30	3.03 RCD	Excavation for road way in soil by mechanical means including cutting and transporting the earth to site of embankment/dumping area with lead upto 1000 metres, including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.	105.0000	CUM	208.10	21,850.50
31	4.01 RCD	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density. complete as per clause 401.				
	4.01A	Rate per cum for grading-I Material	35.0000	CUM	1474.40	51,604.00

