

NAME OF WORK: Construction of Structure for Vermi compost & Bio compost pits
and shed at NSC Mumbai

Sl. No.	Description	Qty	Unit	Rate	Amount
1	Excavation for foundation in Soft rock and old cement or lime masonry foundations including removing the excavated material upto a distance of 50 metres beyond the building area and stacking as directed, including dewatering, preparing the bed for the foundation and necessary back filling with available earth/murum, ramming ,watering including shoring and strutting etc. complete. (Lift from 1.5m To 3.0 m.) By Mechanical Means	7.50	cum	363.00	2,722.50
2	Providing and laying Cast in situ/Ready Mix cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) including shuttering for sides	3.20	cum	9308.00	29,785.60
3	Providing and fixing in position HCRM / CRS (Corrosion Resistant Steel) bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete	0.10	MT	66672.00	6,667.20
4	Providing first class Brick masonry with conventional / IS. type bricks in cement mortar 1:4 including scaffolding, racking out joints pointing in C.M 1:3 and watering etc. in pillars / walls of curved shapes, as shown on the drawing or as directed etc. including making 2 " dia holes in walls at regular intervals (@ 1 feet c/c or as required) as shown in the drawing or as directed by the Engineer in charge complete	9.00	cum	6070.00	54,630.00
5	Providing plaster externally in 12 mm cement plaster of mix : (1 cement: 4 coarse sand) cement mortar using approved screened sand, in all positions curing for fourteen days scaffolding etc.complete.	30.00	Sqm	276.15	8,284.50

6	20 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. 20 mm cement plaster	50.00	Sqm	460.70	23,035.00
7	Forming groove of uniform size in the plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep or more, groove	300.00	Rmt	35.00	10,500.00
8	Providing and applying Two coats of wall care Putty on plastered surface and Ceiling and Walls to prepare surface even and smooth of approved make, etc complete.	30.00	Sqm	112.00	3,360.00
9	Transportation of the debris obtained from breaking and removing the cement plaster / burnt brick masonry of the first floor by any means without causing dust nuisance and damage to structure, out side the campus as and where directed including cleaning the site complete	10.00	cum	410.00	4,100.00
10	Providing and applying two coats of synthetic enamel paint of approved colour to new /old structural steel work and wood work in buildings, including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. complete.(Asian paints / Berger / Nerolac)	60.00	Sqm	72.00	4,320.00
11	Providing and applying two coats of exterior acrylic emulsion paint conforming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface, applying primer coat ,scaffolding if necessary , and watering the surface for two days etc complete. Brand : Asian / Berger / Nerolac / DULUX	50.00	Sqm	208.00	10,400.00
12	Providing random rubble masonry first sort of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in external walls of plinth including bailing out water manually , racking out joints when pointing is to be done and striking joints from inside including watering etc.complete.	0.00	cum	4282.00	0.00
13	Providing and fixing green marble of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing / moulding the sharp edges wherever necessary, curing, etc. complete	0.00	sqm	2052.00	0.00

14	Providing and fixing heavy duty inter locking concrete RUBBER MOULD GLOSSY PAVING BLOCKS of 60 millimeter thickness of having a strength of 400 Kg/sq.m of approved quality and shape on a bed of crushed sand of 25 to 30 millimeter thick including striking joints and cleaning etc. complete. (using 100% crushed sand)	67.00	Sqm	727.00	48,709.00
15	Providing and fixing P.V.C. Rain water pipes of 110mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592- 1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number ,filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete.	45.00	rmt	408.00	18,360.00
16	Providing structural steel work in hollow section of various thickness and sizes in square, rectangular and round shape from 25mm to 450mm section as per IS 4923 YST 310 Grade produced from iron ore and blast furnace route etc. as per detailed designs and drawing or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/bolted/ welded connections and painting complete.	0.80	MT	88759.00	71,007.20
17	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, 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.	110.00	Sqm	627.55	69,030.50

18	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete of JSW or equivalent approved make 12.51.1 Ridges plain (500 - 600mm)	16.00	rmt	416.30	6,660.80
19	Providing and fixing welded mesh of 2.00 mm dia. with opening of square 12 mm (1/2 ") x 12 mm (1/2 ") size including integrated MS angle outer frame of 25mm X 25 mm X 3 mm and MS Flats for middle stiffener etc, hinges, hold fast etc for making 3 fold doors, with hinges for coveing the pit with necessary frame and locking arrangements or as necessary and finishing with primer oil painting 3 coats etc. complete(for door like arrangements on top for coveing the pits)	23.00	Sqm	1956.00	44,988.00
				Total	416,560.30
				Add 12 % GST	49,987.24
				total	466,547.54
				Say	466,548.00

Note: The agencies has to visit site and asses the work nature before quoting for the work

1) The rates quoted by the party to include scaffolding, ladders, and final cleaning, safety belts and helmets for the workers, for all locations like walls, ceiling, sloping roofs and in all floors and heights and depths, and for all shades with cost of all materials, labour, scaffoldings, T & P, hire & running charges of machineries, ladders, cans, brushes and other appliances etc. required for the efficient execution of work.