

Biological Measures for Stabilization of Seven Muck Dumping sites along the Up-gradation of Road from Thial to Chountra Mata KM6th RD to KM 19th RD 500 in Comptt. No 2/P in Peoni Block of Jindrah Forest Range.

S.No	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Fencing: Using Square PCC Fence post spacing of 10' & 4' strands of Galvanised barbed wire, every 8th poles cement concrete and every corner poles.	RFT	1250.00	72.78	90975.00
2	Live hedge fencing:- Fixing of ipomia cutting / jatropa Etc.	RFT	1250.00	3.00	3750.00
3 (i)	Plantation:- Poly Bagged Planting of fast growing soil binding local species (trees/shrubs) in pits of size (45X45X45) cm.	Nos.	2000.00	29.34	58680.00
(ii)	Grass Slips :- (Soil binding grasses viz Vetievers , Napier, Lemon Grasses etc.)	Nos.	1500.00	6.99	10485.00
(iii)	Agave	Nos.	1400.00	6.35	8890.00
4 (a)	Raising & maintenance of Poly Bag, plants & Vetivers				0.00
(i)	Plant Production:- Raising of Poly Bags Plants.	Nos.	2200.00	8.03	17666.00
(ii)	Raising of Grass slips.	Nos.	1600.00	3.88	6208.00
(iii)	Raising of Agave.	Nos.	1500.00	3.88	5820.00
4 (b)	First Year Maintenance.				0.00
(i)	Maintenace of Poly Bag plants.	Nos.	2200.00	2.66	5852.00
(ii)	Maintenance of grass slips.	Nos.	1600.00	1.00	1600.00
(iii)	Maintenace of Agave.	Nos.	1500.00	1.00	1500.00
5	Soil and Moisture Conservation Work.				0.00
(i)	Crate :- Constrction of wire Crates at the end of slopes, helps soil erosion and slope stabilization.	Nos.	200.00	15000.00	3000000.00
(ii)	DRSM :- DRSM is also used for slope stabilazation.	Cum	300.00	1099.00	329700.00
6	Coir Fibre Logs :- Coir Fibre Logs made from coconut fibre husk densely packed inside a tubular coir twine netting . Both components are natural and biodegradable.				0.00
(i)	Supply of Coir Fibre logs. (Length10'X12" dia)	Nos.	400.00	850.00	340000.00
(ii)	Mechanical trasportation carriage from kerala / Andhra Pradesh to Jindrah.	Nos.	400.00	800.00	320000.00
(iii)	Mechanical trasportation carriage from Jindrah to Thial . (distance 50 Km Approx.) including / unloading charges.	Trip.	8.00	10000.00	80000.00
(iv)	Head Load Carriage of Coir Fiber logs from unloading point/ road side Thial to work side	Nos.	400.00	50.00	20000.00
(v)	Levelling of Earth and removing of Boulders of sharp objects. (2'X2'X10' = 40 cft X 200 = 8000 cft or 227 cum.)				0.00
	(60 %) of ordinary Soil	cum	136.20	436.00	59383
	(40 %) of rocky Soil	cum	90.80	967.00	87804
(vi)	Laying / fixing of Coir Fibre logs by manual using wooden pegs of different sizes and properly intact by using binding wire to make firmly fixed.	Nos.	400.00	200.00	80000.00
7 (a)	Maintenance of 9 Years :- 2nd year @25% +3rd year@10% + 4th Year to 10th Year 7 X @5%	Nos.	1400.00	29.34	41076.00
(b)	Watch and ward of two persons for five years.	Month	120.00	6750.00	810000.00
	Sub Total.				5379389
8	Over head 10 % of total				537939
	Grand Total				5917328

(Rupees Fifty Nine Lakhs Seventeen Thousand Three Hundred Twenty Eight)

[Signature]
Assistant Executive Engineer
 User Agency
 PWD (R&B) Sub-Division
 Majalta

[Signature]
Forest Range Officer
 Jindrah Forest Range
 Jindrah Forest Officer
 Jindrah Forest Range
 Jindrah