

**Biological Measures for Stabilization of Muck Dumping sites along the PWD Road Khadwal to Bhatti Talab passing through Comptt. No 6/M in Bhatti Block of Jindrah Forest Range.**

S.No	Item of Work	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	<b>Fencing:</b> Using Square PCC Fence post spacing of 10' & 4' strands of Galvanised barbed wire, every 8th poles cement concrete and every corner poles.	RFT	2600	72.78	189228.00
2	<b>Live hedge fencing:-</b> Fixing of ipomia cutting / jatropa Etc.	RFT	2600	3.00	7800.00
3 (i)	<b>Plantation:-</b> Poly Bagged Planting of fast growing soil binding local species (trees/shrubs) in pits of size (45X45X45)	Nos.	1200	29.34	35208.00
(ii)	<b>Grass Slips :-</b> Soil binding grasses viz Vetievers , Napier, Lemon Grasses etc.	Nos.	1000	6.99	6990.00
(iii)	Agave.	Nos.	800	6.35	5080.00
4 (a)	<b>Raising &amp; maintenance of Poly Bag, plants &amp; Vetivers</b>				0.00
(i)	<b>Plant Production:-</b> Raising of Poly Bags Plants.	Nos.	1200	8.03	9636.00
(ii)	Raising of Grass slips.	Nos.	1000	3.88	3880.00
(iii)	Raising of Agave.	Nos.	800	3.88	3104.00
4 (b)	First Year Maintenance.				0.00
(i)	Maintenace of Poly Bag plants.	Nos.	1200	2.66	3192.00
(ii)	Maintenance of grass slips.	Nos.	1000	1.00	1000.00
(iii)	Maintenace of Agave.	Nos.	800	1.00	800.00
5	<b>Soil and Moisture Conservation Work.</b>				0.00
(i)	<b>Crate :-</b> Construction of wire Crates at the end of slopes, helps soil erosion and slope stabilization.	Nos.	30	16000.00	480000.00
(ii)	<b>DRSM :-</b> DRSM is also used for slope stabilization.	Cum	85	1099.00	93415.00

6	<b>Coir Fibre Logs</b> :- 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.	120	850.00	102000.00
(ii)	Mechanical transportation carriage from kerala / Andhra Pradesh to Jindrah.	Nos.	120	800.00	96000.00
(iii)	Mechanical transportation carriage from Jindrah to Sail . (distance 50 Km Approx.) including / unloading charges.	Trip.	2	10000.00	20000.00
(iv)	Head Load Carriage of Coir Fibre logs from unloading point/ road side Sail to work side	Nos.	120	50.00	6000.00
(v)	Levelling of Earth and removing of Boulders of sharp objects. (2'X2'X10' = 40 cft X 120 = 4800 cft or 136 cum.)				0.00
	(60 %) of ordinary Soil	cum	81	436.00	35316.00
	(40 %) of rocky Soil	cum	55	967.00	53185.00
(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.	120	200.00	24000.00
7 (a)	Maintenance of 9 Years :- 2nd year @25% +3rd year@15% + 4th Year to 10th Year 7 X @10%	Nos.	2000	29.34	58680.00
(b)	Watch and ward of one person for five years.	Month	60	6750.00	405000.00
	<b>Sub Total.</b>				1639514.00
8	<b>Over head 10 % of total</b>				163951.40
<b>Grand Total</b>					<b>1803465.40</b>

Forest Block Officer,  
Mansar

Forest Range Officer  
Jindrah Forest Range  
Jindrah

Divisional Forest Officer,  
Jindrah Forest Division  
Jindrah