

OP

DETAILED COMPREHENSIVE MUCK DISPOSAL PLAN

PROJECT: Upgradation of R-A-M(Reasi Arnas Maohre) Road(57-68km) to NHDL Classification

Quantity of Muck to be generated during execution of the project=337056.01 cum

Estimated Qty. of hard rock=33705.60 cum

Estimated Qty. of soil material bolder portion=67411.21 cum

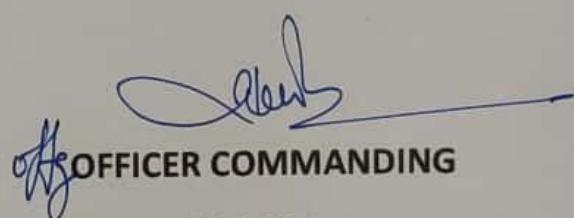
Estimated Qty of soft rock=235939.20 cum

Estimated Qty. to be used at site including filling of embankments =75446.70 cum

Estimated Qty. left for disposal =261609.31 cum

Estimated Qty. on the basis of soil compaction factor (25%of 261609.31cum) =65402.3275 cum

Volume/capacity of dumping sites required for muck disposal=327011.6375 cum


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Plan related to Engineering Measures for Stabilisation of Muck Dumping Sites in Forest Area

Typical Estimate for construction of crated wall to protect dumping sites of surplus muck/Excavated material in Forest Area as per Engineering Measures.

Taking Length of Crated wall=60mtrs

Trench excavation in dense soil for structures = $1*60\text{mtr} * 1.4\text{mtr} * 0.6\text{ mtr}$

= $50.40\text{Cum} @ \text{Rs. } 248.90/\text{Cum}$

= $\text{Rs. } 12544.56$

For Two layered crated wall,

Quantity= $2*60\text{mtr} * 1.2\text{mtr} * 1.2\text{mtr} = 172.80 \text{ Cum}$

Amount= $1720.8 \text{ Cum} @ \text{Rs. } 3153.29/\text{Cum}$

= $\text{Rs. } 544888.50$

(Including cost of crates and labour for handling of available stone)

TOTAL COST= $\text{Rs. } 557433.06$

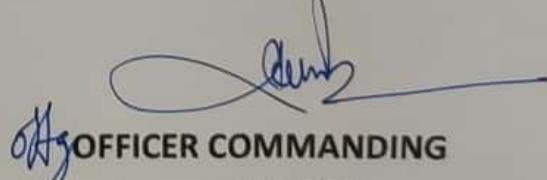
Escalation charges upto 2021-2022 @ 50% of cost on SSR Rates= $\text{RS. } 278716.53$

Total amount for 60.00 mtr, Two layered crated wall for the dumping yard

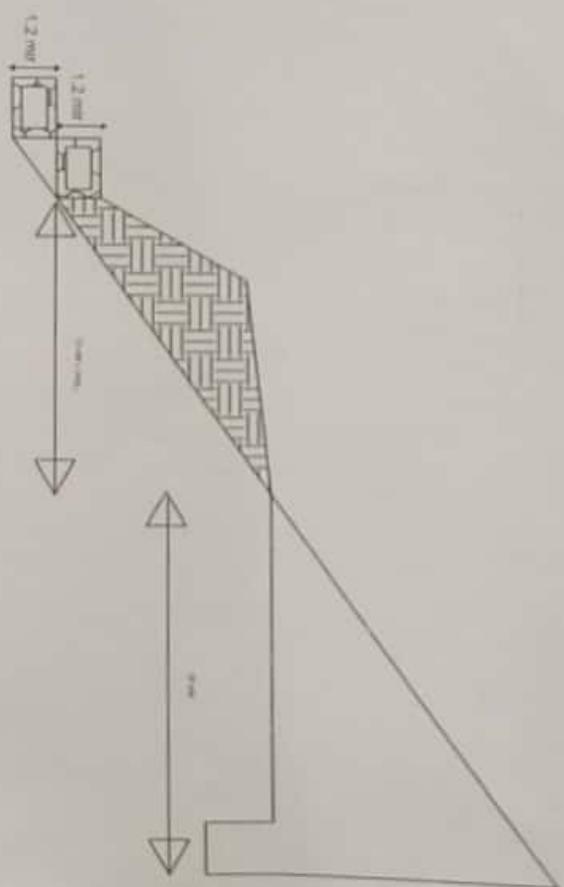
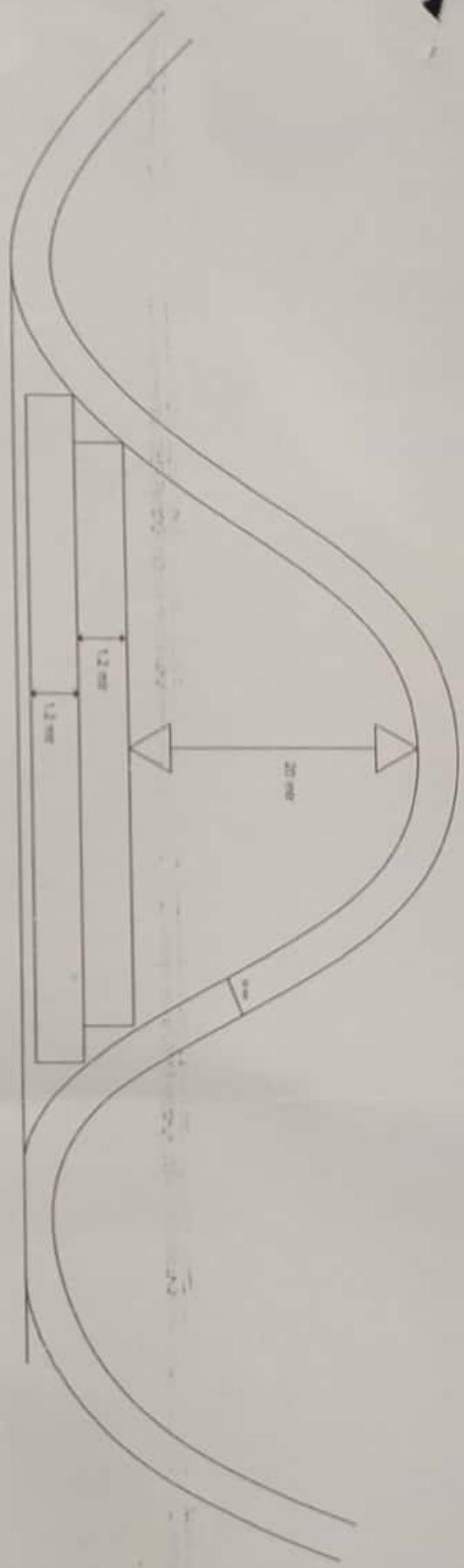
= $\text{Rs. } 836149.59$

For 05 Nos Dumping Yards = $05 \text{ Nos.} * \text{Rs. } 836149.59 = \text{Rs. } 4180747.95$

= $\text{Rs. } 41.81 \text{ Lacs}$



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TYPICAL SITE PLANE AND X-SECTION

FOR STABILIZATION OF

MUCK / SURPLUS EXCAVATED MATERIAL

IN DUMPING POINT IN FOREST AREA

SCALE : SITE PLANE : 1 CM = 10 MTR

X-SECTION : 1 CM = 10 MTR

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