

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 = $1 \times 60\text{mtr} \times 1.4\text{mtr} \times 0.6\text{mtr}$

=50.40Cum @Rs. 248.90/Cum

=Rs. 12544.56

For Two layered crated wall,

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

Amount=172.8 Cum @ Rs.3153.29/Cum

=Rs.544888.50

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

TOTAL COST=Rs.557433.06

Escalation charges upto 2021-2022 @ 50% of cost on SSR Rates=RS.278716.53

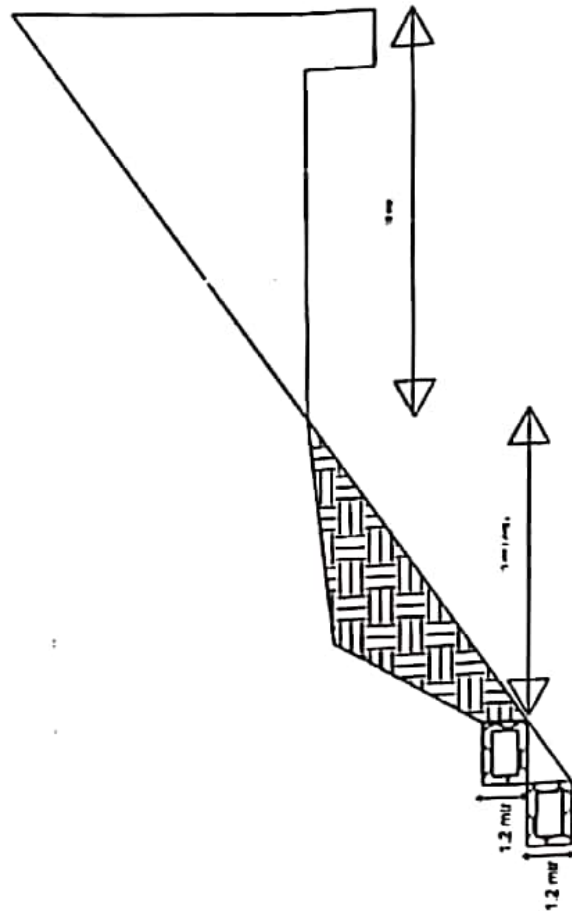
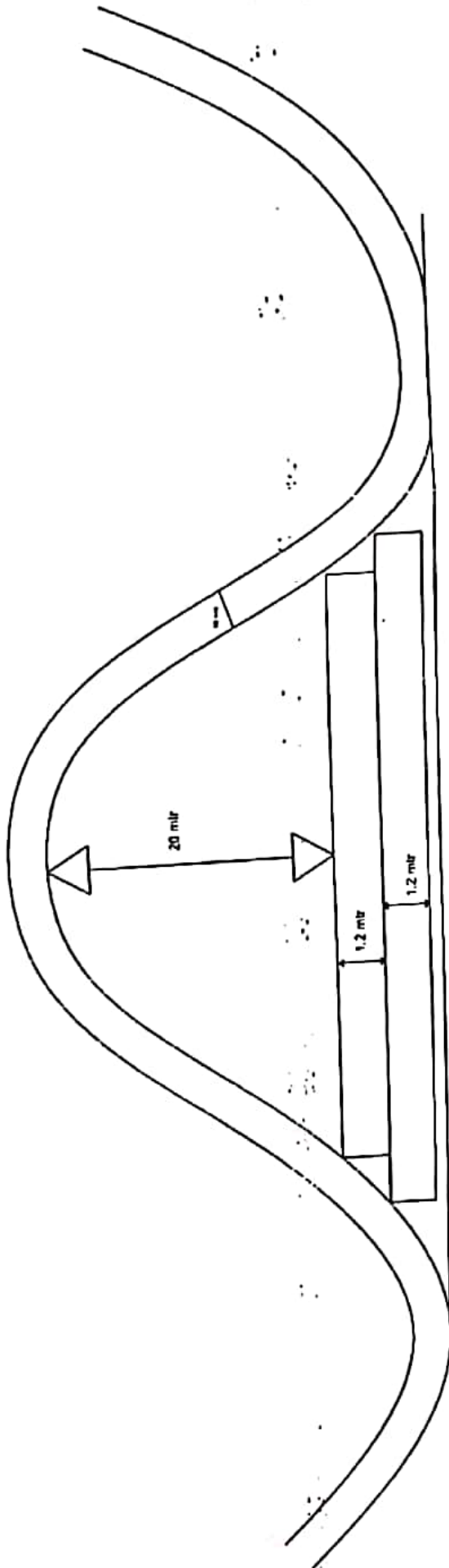
Total amount for 60.00 mtr, Two layered crated wall for the dumping yard

=Rs. 836149.59

For 05 Nos Dumping Yards = 05 Nos.* Rs.836149.59 = Rs.4180747.95

=Rs.41.81 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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