

Model plan related to Engineering measures for Stabilization of
Muck Dumping Sites (2 nos) in forest area

(For One Dumping Point)

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 = 25 mtr

Trench excavation in Dense soil for Structure = $1 \times 25.0 \times 1.40 \times 0.60$

= 21.0 cum @ Rs. 332/cum

= Rs. 6,972/-

For 6 layered Crated wall,

Quantity = $6 \times 25 \text{ mtr} \times 1.20 \text{ mtr} \times 1.20 \text{ mtr} = 216.0 \text{ cum}$

Amount = 216.0 cum @ Rs. 1200/cum (incl cost of Crates & labour for handling of available stones)

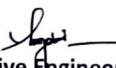
= Rs. 2,59,200/-

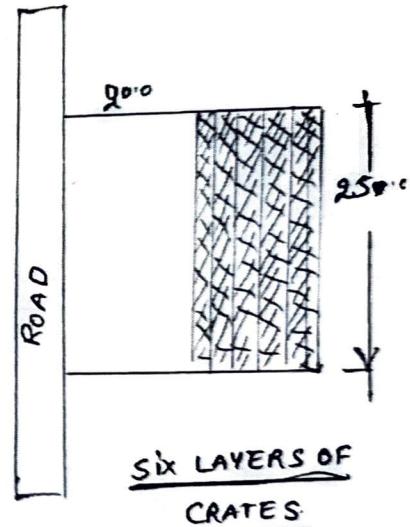
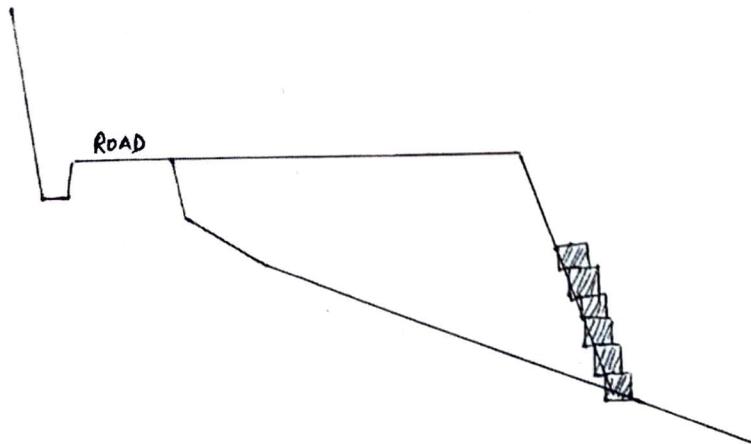
Total amount for 25 mtr, Six layered Crated wall = $6,972 + 2,59,200 = \text{Rs. } 2,66,172/-$

Rate per mtr = Rs. 10646.88

Say Rs. 10,647 / mtr


Asstt. Executive Engineer
PWD (R&B) Sub Division
Majalta


Executive Engineer
PWD (R&B) Division
Udhampur



TYPICAL CROSS SECTION AND SITE PLAN OF MUCK DISPOSAL POINT FOR STABILIZATION OF MUCK EXCAVATED FROM FOREST AREA COMING IN ALIGNMENT OF CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI TALAB, LENGTH = 1.50 KM, UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.

Assistant Executive Engineer
PWD (R&B) Sub-Division
Majalta

Executive Engineer
PWD (R&B) Division
Udhampur

Full Title of The project:- CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.		
File No. :- FP/JK/ROAD/150559/2021		
Date of Proposal :- 27/12/2021		
DETAIL OF MUCK/DEBRIS TO BE PRODUCED		
Name of Work:- CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.		
DETAIL OF QUANTITY TO BE PRODUCED AND USED DURING THE CONSTRUCTION OF ROAD		
S.No.	Description of Items	Quantity (in cum)
1	Total qty to be produced during construction	13580.00
2	Consumable muck qty at work	4074.00
3	Net qty to be dumped (1-2)	9506.00
4	Soil factor @ 40 %	3802.40
	Grand Total (3 + 4)	13308.40


Asst. Executive Engineer
PWD (R&B) Sub-Division
Majalta


Executive Engineer
PWD (R&B) Division
Udhampur

PERFORMA-V

STATEMENT SHOWING DETAIL OF PLACES FOR DISPOSAL OF MUCK/DEBRIS FOR CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI
TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.

S.No.	Name of Dumping place	Location of Dumping places	Slope of Dumping place	Length & Width (in Mtr) and Area of Dumping places (in sqm)	Qty of muck/Debris to be dumped (in 1000 cum)	Height of dumping expected Remarks (Area in Bigha)	Remarks (Area in ha)
1	Khadwal	RD 0/350 TO 0/375	1:4	25m x 20m = 500sq.m	1.72	10	0.05 ha
2		RD 0/700 TO 0/725	1:4	25m x 20m = 500sq.m	1.72	10	0.05 ha
			Total	1000 sq.m	3.44		0.10 ha


Asst. Executive Engineer
PWD (R&B) Sub-Division
Majalta


Executive Engineer
PWD (R&B) Division
Udhampur

PERFORMA-III (REFER ITEM 8)

**STATEMENT SHOWING DUMPING QUANTITY OF MUCK/DEBRIS TO BE DUMPED WITH OTHER DETAILS FOR CONSTRUCTION OF ROAD FROM KHADWAL
TO BHATTI TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.**

S.No.	Name of the Component from Muck/Debris to be produced	Total Qty. of Muck/Debris to be produced (in cum)	Qty. of Muck/Debris to be utilized locally (in cum)	Qty. of Muck/Debris to be dumped on compact basis (in cum)	Factor of increase in volume of dumping (in cum)	Qty. of Muck/Debris to be dumped on basis of increase (in cum)	Name of Dumping Places	Slope of Dumping Places	Location of Dumping Places, Police station & nearby road	Distance of Dumping Place from River (in Kms)	Area of Dumping place with Length & breadth (in hect)	Area of forest land out of land in Col.10 (in ha)	Height of Muck/Debris dump expected (Vol. Area) in mtrs	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Formation Cutting Work	13580-00	4074-00	9506-00	1.4	3802.4	Khadwal	1:4	0/250 to 0/275 0/925 to 0/950		0.1	0.6	10	


 Astt. Executive Engineer
 PWD (R&B) Sub-Division
 Majalta


 Executive Engineer
 PWD (R&B) Division
 Udhampur

Full Title of The project:- CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.

File No. :- File No. :- FP/JK/ROAD/150559/2021

Date of Proposal :- 27/12/2021

STATEMENT SHOWING THE ROAD LINE TO BE CONSTRUCTED FOR CONSTRUCTION OF ROAD FROM KHADWAL TO BHATTI TALAB, LENGTH = 1.50 KM UNDER PWD(R&B) DIVISION UDHAMPUR, DISTRICT UDHAMPUR.														
S.No.	RD		Distance in Mtrs.			Width of Right of way	Area of road		Total area (in sqm)	Name of Village/Muh al and forest area nearly	Muck/Debris to produce (Total cum)	Muck/Debris to be consumed at work	Muck/Debris to be dumped	Remarks
	From	To	Non Forest land (in mtrs)	Forest land (in mtrs)	Total (in mtrs)		Forest land	Non Forest land						
	1	0/0	0/800	0	800	800	6	800 x 6 =4800sqm or 0.48 Ha	0	4800 sqm or 0.48 Ha	Khadwal	13580	4074	9506


Asst Executive Engineer
PWD (R&B) Sub-Division
Majalta


Executive Engineer
PWD (R&B) Division
Udhampur