

**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 = 50 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. 6972-00

For 6 layered Crated wall,

Quantity = $6 \times 25.0 \times 1.20 \times 1.20 = 216.0$ cu m


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

= Rs. 2,59200-00

Total amount for 50 mtr , Six layered Crated wall = 6972-00 + 259200-00 = Rs. 2,66172-00

Rate per mtr = Rs. 10646.88

Say Rs. **10,647-00**


Engineer
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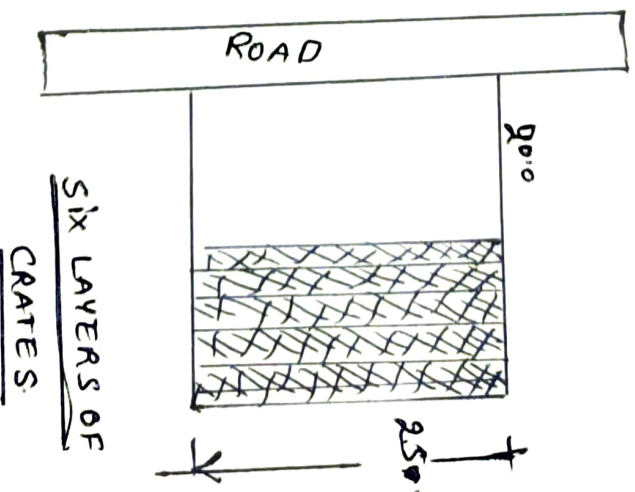
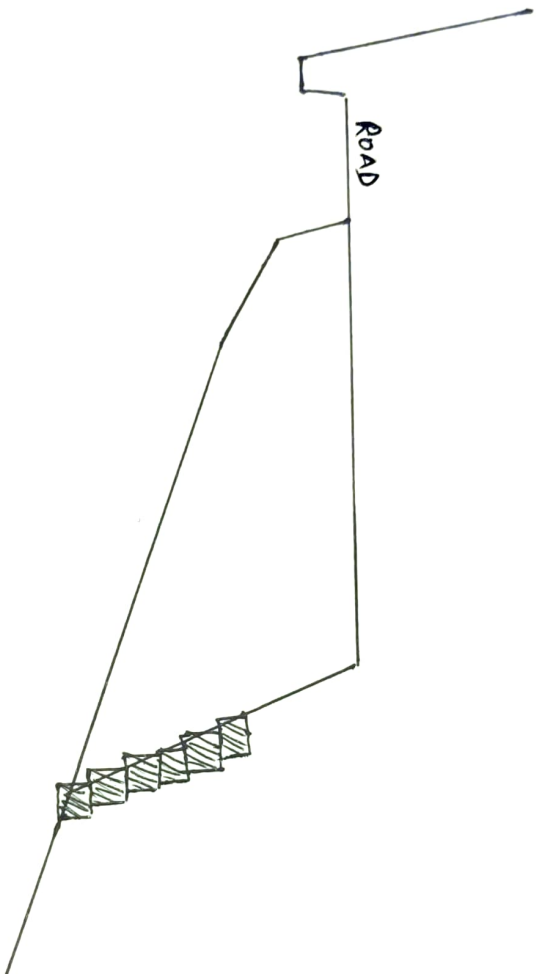

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TYPICAL CROSSSECTION AND SITE PLAN OF MUCK DISPOSAL POINT

FOR STABILIZATION OF MUCK EXCAVATED FROM FOREST AREA COMING IN THE

ALIGNMENT OF ~~WARR~~ ROAD 550mts Span Prestressed bridge over Ugh.

NALLAH AT Chigli Koyla left approach (L=1.0 KM)



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Full Title of the project :- Cont. of 55.0 mtr span prestressed box type bridge over Ugh. Nallah with approach (left approach) L = 1.0 Km.

Details of muck / Debris to be produced

NAME OF work :- Cont. of 55.0 mtr span prestressed box type bridge over Ugh. Nallah with approach (left approach) L = 1.0 Km.
Detail of quantity to be produced & used during the construction.

Description of items Quantity

S.No.	Description of items	Quantity
①	Total quantity to be produced during construction =	13,580 — cum.
②	Consumable Muck quantity at work =	4074 — cum
③	Net quantity to be dumped (1-2)	9506.0 cum
④	Soil factor @ 40%.	3802.40 cum

Grand Total 13,308.40 cum.
(3+4)


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PERFORMA-V

STATEMENT SHOWING DETAIL OF PLACES FOR DISPOSAL OF MUCK/DEBRIS OF CONSTRUCTION OF 55.0 MTR SPAN
PRESTRESSED BOX TYPE BRIDGE OVER UJH NALLAH AT CHIGLI KIYA (LEFT APPROACH) (L=1.0 KM) IN DISTRICT UDHAMPUR, UT
JAMMU AND KASHMIR

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	Near Chigli	0/250 to 0/275	1:4	25m x 20m = 500sq.m	1.72	10	0.05 ha
2	Kiya	0/925 to 0/950	1:4	25m x 20m = 500sq.m	1.72	10	0.05 ha
Total				1000 sq.m	3.44		0.10 ha


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PERFORMA-III (REFER ITEM 8)
STATEMENT SHOWING DUMPING QUANTITY OF MUCK/DEBRIS TO BE DUMPED WITH OTHER DETAILS FOR CONSTRUCTION OF 55.0 MTR SPAN PRESTRESSED BOX TYPE BRIDGE OVER UJH NALLAH AT CHIGLI KIYA (LEFT APPROACH) (L=1.0 KM) IN DISTRICT UDHAMPUR,

UT JAMMU AND

KASHMIR														
S.No.	Name of the Component	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	Formation Cutting Work	13580-00	4074-00	9506-00	1.4	3802.4	Near Chigli Kiya	1:4	0/250 to 0/275 0/925 to 0/950	11	0.1	0.6	10	15

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Full Title of The project:- CONSTRUCTION OF 55.0 MTR SPAN PRESTRESSED BOX TYPE BRIDGE OVER UJH NALLAH AT CHIGLI KIYA (LEFT APPROACH) (L=1.0 KM)
File No. :-

Date of Proposal :-

STATEMENT SHOWING THE ROAD LINE TO BE CONSTRUCTED FOR CONSTRUCTION OF 55.0 MTR SPAN PRESTRESSED BOX TYPE BRIDGE OVER UJH NALLAH AT CHIGLI KIYA (LEFT APPROACH) (L=1.0 KM) IN DISTRICT UDHAMPUR, UT JAMMU & KASHMIR.

S.No.	RD		Distance in Mtrs.			Width of Right of way	Area of road		Total area (in sqm)	Name of Village/Muha l and forest area nearly	Muck/Debr ies to produce (Total cum)	Muck/Debr ies to be consumed at work	Muck/Debr ie s to be dumped	Remarks
	From	To	Non Forest land (in mtrs)	Forest land (in mtrs)	Total (in mtrs)		Forest land	Non Forest land						
0	0	1000	1000	0	1000	6	1000 x 6 =6000sqm or 0.60 Ha	0	6000 sqm or 0.60 Ha	Chigli Kiya, Chigla Blota	13580	4074	9506	

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