

MUCK DISPOSAL PLAN

2.19

प्रपत्र- 49

परियोजना का नाम:-जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

MUCK DESPOSAL PLAN

1 Material received from hill side cutting (Total Length-2.00 Km)

1	XS 0/00-0/20	1650.00	Cum	1/2*500*6*1.10
2	XS 0/20-0/40	4725.00	Cum	1/2*500*6*3.15
3	XS 0/40-1/20	1650.00	Cum	1/2*500*6*1.10
4	XS 1/20-1/40	4725.00	Cum	1/2*500*6*3.15
5	XS 1/40-2/20	4725.00	Cum	1/2*500*6*3.15
6	XS 2/20-2/40	3150.00	Cum	1/2*500*6*2.10
7	XS 2/40-3/20	3150.00	Cum	1/2*500*6*2.10

Total 23775.00 Cum
 25% For swell factor 5943.75 Cum
GTOTAL 29718.75 Cum

2 Total material (muck) used in motor road during construction – details as given below

S No.	ITEM	QUANTITY (Cum)
1	R.R. Stone Masonary laid in 1:6	1200.00
2	R.R. Stone Masonary laid in dry	1100.00
3	Hand Packed Stone Filling	700.00
4	Wire Construction	11831.89
5	Parapet Construction	300.00
6	Granular Sub-base/Base/Surface	3281.25
7	Muck utilized at site for road leveling undulation	2000.00
8	RR stone masonry for construction of Dumping yard	390.00
	Total muck	20803.14

3 Balance material (muck) to be deposited in muck desposal site.= 8915.61 Cum

4 Cost of cartage of balance muck upto dumping site 8915.61 @. 52.50 468069.53

5 Location and capacity of muck dumping yard.

(a) Construction of Gabian including supply of all materials, labour and T&P etc. required for proper completion of the work as per PWD detailed specification.

Location	Size of dumping yard. Taking ht 1m	Qty. (in cum)	Type Of Land	Capacity Of Dumping Yard
km 1H.M (0-2)	1*1*48	48	nap land	633.60 Cum
KM 1H.M (6-8)	1*1*48	48	nap land	1797.12 Cum
KM 2 H.M(4-6)	1*1*48	48	nap land	2396.16 Cum
KM3 H.M (4-6)	1*1*48	48	Van Panchayat	2980.80 Cum
KM3 H.M (6-8)	1*1*48	48	Van Panchayat	1192.32 Cum
Total		240		9000.00 Cum
			Say	9000.00 Cum

(b) Total cost of construction of dumpig yard (Gabian) 240No@ 9297.00 per cum,= 2231280.00

(c) Re-clamation Plan- Taking 20% of item No. 5(b) i.e. Rs 2231280.00= Rs. 446256.00

6. Total Cost of muck desposal plan(4+5 (b)+(c)

3145605.53

Say (In Lac)

31.46

7. Dumpig site selected in khud side of the proposed motor road.After construction of motor road plantation will be made by the Forest Department through the provisions of both side plantation fund to be deposited by this Department.

हिमेश (एन.ए.)
प्रमाणित वनाधिकारी
बागेश्वर वन प्रभाग
बागेश्वर

E.E.

सहायक अभियन्ता
खण्ड लो० नि० वि०
(बागेश्वर)

E.E.

2.19

प्रपत्र- 49

परियोजना का नाम:-जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

भारत सरकार के पत्रांक 11/मिस०/618/2010/उ०प्र०,राज०, उत्तराखण्ड/11/58 दिनांक 16.04.14 साथ संलग्न प्रारूप के अनुसार मलवा निस्तारण योजना।

MUCK DISPOSAL PLAN

1. Calculation of muck to be generated. Swell factor has to be applied	29718.75 cum. As per item no. 1 of enclosed muck disposal plan.
2. Quantity of muck to be utilized in the project activities.	20803.14cum muck will be utilized As per item no. 2 of enclosed muck disposal plan.
3. Balance quantity of muck which requires disposal/ Management plan.	8915.61 cum, As per item no. 3 of enclosed muck disposal plan.
4. Carriage of muck from the muck generation site to the dumping site.	Provision for carriage of muck to muck disposal site is being made Rs, 468069.53 As per item no. 4 of enclosed muck disposal plan.
5. Ownership of land and the consent of land owners, in case muck disposal is proposed on non forest land. Photo graph & carrying capacity of proposed dumping site (Muck disposal site)	State Govt. land , Van Panchayat land and R.F. . (Private land not available)Muck dumping site proposed in khud side of the road in each km. for which 0.010 hect. extra area is being included in the land schedule.
6. Development of dumping site- construction of retaining walls and other structure as per requirement of the site. The objective is to completely stop rollig down of the muck.	Provision for development and construction of retaining walls etc. in dumping site Rs. 2231280.00 is being made as per item no. 5(b) of enclosed muck disposal .Hence total provisions for muck disposal will be made Rs. 3145605.53 As per item no. 6 of enclosed muck disposal plan.,
7 Rehabilitation of dumping site like leveling, planting of grass, shrubs and tree species	Dumping site selected in khud side of the proposed motor road.After construction of motor road plantation will be made by the Forest Department through the provisions of both site plantation fund to be deposited by this Department.
Re-clamation Plan- Taking 20% of item No. 5(a) i.e. Rs 2231280.0 = Rs. 446256.00	Taking 20% of item No. 5(a) i.e. Rs 2231280.00= Rs. 446256.00

Note- Cost to be incurred on the above activities has to be given component wise. Detail of dumping site including length, width and height of structures to be executed must be meintioned.

Enclosed - Muck disposal plan.

Undertaking


I undertaking that -

- 1.Muck management plan will be implemented by the user agency.
- 2 The proposed dumping site is located away from river/ Stream/ Nala.
3. Dumping site is located in reserved forest.


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निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)


E.E.

अधिसासी अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट


(हिमेश बण्नी)
प्रभागीय वनाधिकारी
बागेश्वर वन प्रभाग
बागेश्वर

Analysis of rate

परियोजना का नाम:—जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

S.N	CODE	ITEM	RATE	UNIT
1	1-8'	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	9,297.00	no
2	3-7	Removal of Unsuitable Soil with Disposal upto 1000 m Removal of unsuitable soil including excavation, loading and disposal upto 1000 m lead but excluding compaction ground supporting embankment subgrade replacement by suitable soil, which shall be paid separately as per Clause 303.5.2 as per Technical Specification Clause 302.3.11	52.50	Cum

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कपकोट (बागेश्वर)

EE

अधिसासी अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट

(विभागीय वनाधिकारी)
प्रभागीय वनाधिकारी
बागेश्वर बन प्रभाग
बागेश्वर


Detail Measurement For Muck Disposal

परियोजना का नाम:-जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

SN	ITEM OF WORK	No.			L	B	H/D	QTY	Unit
1	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders								
1	km 1H.M (0-2)	1	1	1.00	48.00			48.00	No
2	KM 1H.M (6-8)	1	1	1.00	48.00			48.00	No
3	KM 2 H.M(4-6)	1	1	1.00	48.00			48.00	No
4	KM3 H.M (4-6)	1	1	1.00	48.00			48.00	No
5	KM3 H.M (6-8)	1	1	1.00	48.00			48.00	No
						Total		240.00	No

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निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)


(हिमांशु बापरी)
प्रभागीय वनाधिकारी
बागेश्वर वन प्रभाग
बागेश्वर

Summary									
परियोजना का नाम:—जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।									
Name of Block:Kapkot (Bageshwar)							Total Length: 2 KM		
S.NO.	Chainage of Wire Crates	No.			Size of catchment area of Gabian				
					L	B	H	Quantity	Unit
1	km 1H.M (0-2)	1	x	2	48.00	2.20	3.00	633.60	cum
2	KM 1H.M (6-8)	1	x	4	48.00	2.60	3.60	1797.12	cum
3	KM 2 H.M(4-6)	1	x	6	48.00	2.60	3.20	2396.16	cum
4	KM3 H.M (4-6)	1	x	5	48.00	3.45	3.60	2980.80	cum
5	KM3 H.M (6-8)	1	x	2	48.00	3.45	3.60	1192.32	cum
					Total			9000.00	cum
					say			9000.00	cum

Quantity of material disposal to dumping 8915.61

TOTAL MUCK

8915.61

Carrying capacity of wire crates

9000.00

Balance

0.00

(हिमंशु बारी)
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बागेश्वर वन प्रभाग
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सहायक अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)

Muck Received From Hill Site Cutting(As per Detail Estimate)

परियोजना का नाम:—जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

Name of Block: Kapkot (Bageshwar)

Length- 2.00 km

Sr.No	Item	Muck obtained in hill side cutting includig swell factor	Muck consumed at site approx(70%)	Remaining muck to be disposed (30%)	Unit
1	km 1H.M (0-2)	2062.50	1443.75	618.75	cum
2	KM 1H.M (6-8)	5906.25	4134.38	1771.87	cum
3	KM 2 H.M(4-6)	7968.75	5578.13	2390.62	cum
4	KM3 H.M (4-6)	9843.75	6890.63	2953.12	cum
5	KM3 H.M (6-8)	3937.50	2756.25	1181.25	cum
	Total	29718.75	20803.14	8915.61	cum
	Say			8915.61	cum

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सहायक अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)

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(हिमांशु बगरी)
प्रभागीय वनाधिकारी
बागेश्वर वन प्रभाग
JE बागेश्वर

BILL OF QUANTITY FOR MUCK DISPOSAL


परियोजना का नाम:—जनपद बागेश्वर के विधानसभा क्षेत्र कपकोट में जिला योजना के अन्तर्गत पाली जमन सिंह के मकान से पाली होते हुए लीमा तक 3.500 किमी० मोटर मार्ग का निर्माण कार्य।

Name of Block:Kapkot (Bageshwar)				Length: 4.00KM	
Sl No	Description	Quantity	Unit	Rate	Amount
1	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	240.00	No	9297.00	2231280.00
2	Removal of Unsuitable Soil with Disposal,Removal of unsuitable soil including excavation, loading and disposal upto 1000m,lead but excluding compaction ground supporting embankment subgrade replacement by suitable soil, which shall be paid separately as per Clause 303.5.2 as per Technical Specification Clause 302.3.11	8915.61	cum	52.50	468069.53
3	Re-clamation Plan- Taking 20% of item No. 1 i.e. Rs 120861= Rs. 241722.00				446256.00
Total					3145605.53
			Say (In Lac)		31.46

(दिमांश बागरी)
प्रभागीय वनाधिकारी
बागेश्वर वन प्रभाग
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सहायक अभियन्ता
निर्माण खण्ड लो० नि० वि०
कपकोट (बागेश्वर)


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कपकोट