

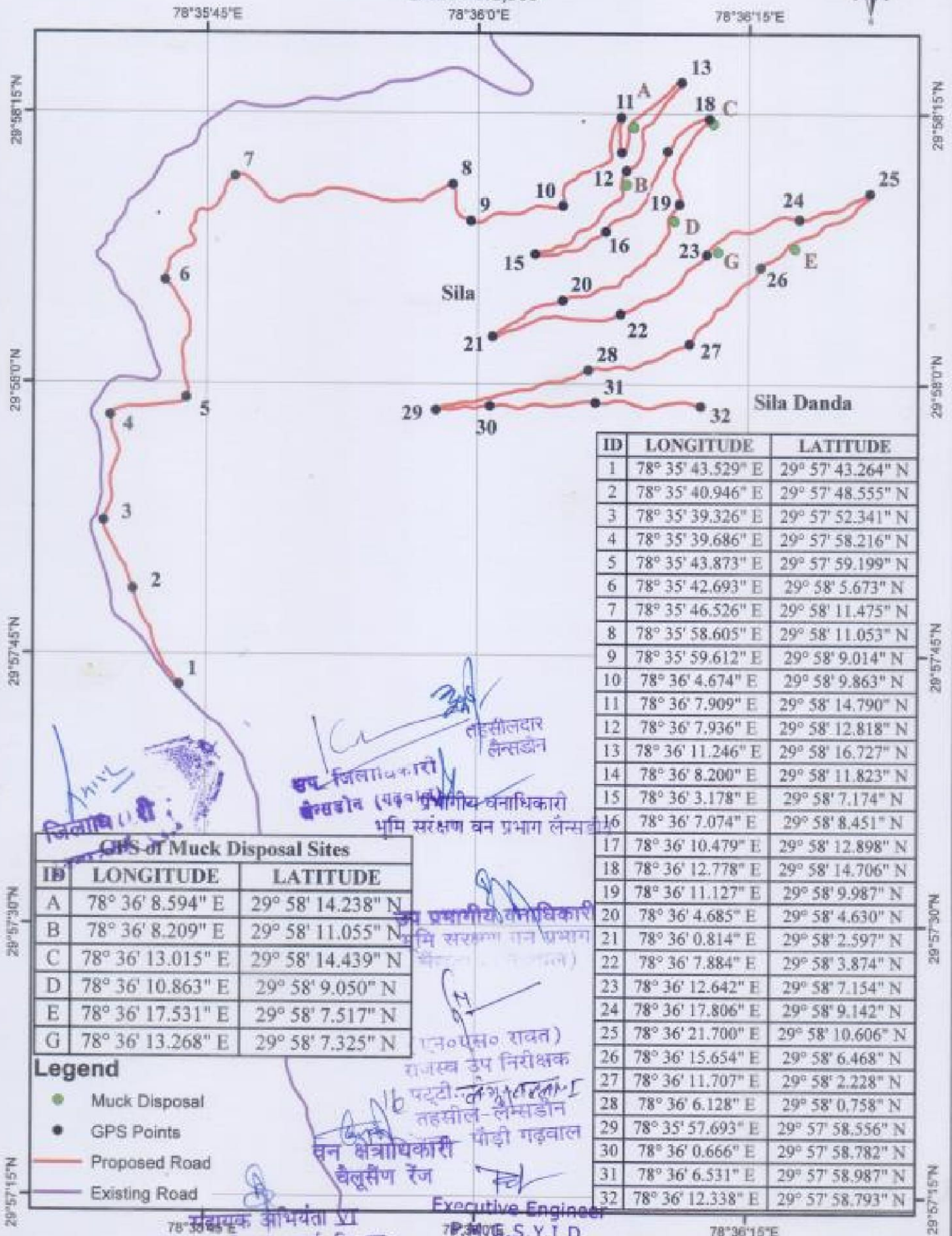
2.19 (I) (a)

मक डिस्पोसल की विस्तृत योजना मानचित्र व उपचार
कार्यों का प्राक्कलन

जियो रेफरेंस मैप जनपद पौड़ी गढ़वाल में प्रधान मंत्री ग्रामीण सड़क योजना के अन्तर्गत मास्टखाल से शीला डाडा मोटर मार्ग के नव निर्माण (5.450 कि०मी०) के नव निर्माण हेतु

0 0.1 0.2 0.4 KM

Scale - 1:8,500



ID	LONGITUDE	LATITUDE
1	78° 35' 43.529" E	29° 57' 43.264" N
2	78° 35' 40.946" E	29° 57' 48.555" N
3	78° 35' 39.326" E	29° 57' 52.341" N
4	78° 35' 39.686" E	29° 57' 58.216" N
5	78° 35' 43.873" E	29° 57' 59.199" N
6	78° 35' 42.693" E	29° 58' 5.673" N
7	78° 35' 46.526" E	29° 58' 11.475" N
8	78° 35' 58.605" E	29° 58' 11.053" N
9	78° 35' 59.612" E	29° 58' 9.014" N
10	78° 36' 4.674" E	29° 58' 9.863" N
11	78° 36' 7.909" E	29° 58' 14.790" N
12	78° 36' 7.936" E	29° 58' 12.818" N
13	78° 36' 11.246" E	29° 58' 16.727" N
14	78° 36' 8.200" E	29° 58' 11.823" N
15	78° 36' 3.178" E	29° 58' 7.174" N
16	78° 36' 7.074" E	29° 58' 8.451" N
17	78° 36' 10.479" E	29° 58' 12.898" N
18	78° 36' 12.778" E	29° 58' 14.706" N
19	78° 36' 11.127" E	29° 58' 9.987" N
20	78° 36' 4.685" E	29° 58' 4.630" N
21	78° 36' 0.814" E	29° 58' 2.597" N
22	78° 36' 7.884" E	29° 58' 3.874" N
23	78° 36' 12.642" E	29° 58' 7.154" N
24	78° 36' 17.806" E	29° 58' 9.142" N
25	78° 36' 21.700" E	29° 58' 10.606" N
26	78° 36' 15.654" E	29° 58' 6.468" N
27	78° 36' 11.707" E	29° 58' 2.228" N
28	78° 36' 6.128" E	29° 58' 0.758" N
29	78° 35' 57.693" E	29° 57' 58.556" N
30	78° 36' 0.666" E	29° 57' 58.782" N
31	78° 36' 6.531" E	29° 57' 58.987" N
32	78° 36' 12.338" E	29° 57' 58.793" N

GPS of Muck Disposal Sites

ID	LONGITUDE	LATITUDE
A	78° 36' 8.594" E	29° 58' 14.238" N
B	78° 36' 8.209" E	29° 58' 11.055" N
C	78° 36' 13.015" E	29° 58' 14.439" N
D	78° 36' 10.863" E	29° 58' 9.050" N
E	78° 36' 17.531" E	29° 58' 7.517" N
G	78° 36' 13.268" E	29° 58' 7.325" N

Legend

- Muck Disposal
- GPS Points
- Proposed Road
- Existing Road

Executive Engineer
G.S.Y.I.D.

Kotdwara-Pauri Garhwal

परियोजना का नाम	:- जनपद पौड़ी गढ़वाल में प्रधानमंत्री ग्रामीण सड़क योजना के अंतर्गत टी02(ओ0डी0आर) मस्टखाल से सीलाडांडा मोटर मार्ग (5.450 किमी) के नव निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव।
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मक डम्पिंग प्लान प्रमाण-पत्र

प्रस्तुत प्राक्कलन पयया मस्टखाल से सीलाडांडा मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया है। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु दिनांक 09/05/2013 को संयुक्त निरीक्षण किया गया। निरीक्षण के समय मोटर मार्ग के सिविल सोयम भूमि में कुल 05 स्थलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे स्थित है। मलवा निस्तारण हेतु खड् साइड में मार्ग के समान्तर वायर क्रेट लगाये जाने का प्रावधान है। कृषकों द्वारा अपनी भूमि पर मलवा निस्तारण हेतु अनापत्ति भी प्रदान की गयी है। सिविल सोयम भूमि को प्रस्ताव में (लैन्ड रोडयूल प्रपत्र 15.3) पर गठित किया गया है

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रु.0 45.37 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे। मलवा कहीं भी वृक्ष आछादित एवं जल स्रोतों में नहीं डाला जायेगा।



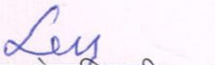
कनिष्ठ अभियन्ता
सिंचाई खण्ड, लो0नि0वि0,
पी0एम0जी0एस0वाई0, कोटद्वार,
पौड़ी गढ़वाल



सहायक अभियन्ता
सिंचाई खण्ड, लो0नि0वि0,
पी0एम0जी0एस0वाई0, कोटद्वार,
पौड़ी गढ़वाल



अधिशाली अभियन्ता
सिंचाई खण्ड, लो0नि0वि0,
पी0एम0जी0एस0वाई0, कोटद्वार,
पौड़ी गढ़वाल



वन क्षेत्राधिकारी
वन सेवाधिकारी



उप प्रभागीय वनाधिकारी
भूमि संरक्षण वन प्रभाग
नैसडौन (गढ़वाल)

प्रभागीय वनाधिकारी

2.19 (B) (b)

Name of Work : Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage - I) Motor road under PMGSY.

DSR REPORT

Year 2014-2015

Rate Card Block 42 Dwarikhal (Pauri) Effective Date 16/05/2014

SUMMARY OF RATE

S.No.	Chapter Name	Description of Items	Unit	Rate
1	77636 8-4-1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in charge.	Cum	221.50
2	75487 16-9-2-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 8 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)	Cum	1351.40
3	77430 3-7	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	Cum	45.00

S. Alder
J.E.

सहायक अभियन्ता
सिंचाई, खण्ड (लो० नि० वि०)
कोटद्वार (गढ़वाल)

अधिसासी अभियन्ता
पी. आई. यू. (पी. एम. जी. एस. आई.)
सिंचाई खण्ड, लो० नि० वि०
कोटद्वार (गढ़वाल)

Name of Work : Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage - I)
Motor road under PMGSY.

Name of Block: Dwarikhal (Pauri)		Length:5.450 KM
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Detail of measurements for Civil Land

1	Excavation in foundation for retaining & brest walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in charge.								
Sl. No.	Location of wire crate	No.			L	B	H/D	Qty.	Unit
	X- Section's								
1	Chainage 2.000 km	1	x	1	75.00	1.50	0.50	56.25	Cum
2	Chainage 2.325 km	1	x	1	69.00	1.50	0.50	51.75	Cum
3	Chainage 2.975 km	1	x	1	75.00	1.50	0.50	56.25	Cum
4	Chainage 3.125 km	1	x	1	72.00	1.50	0.50	54.00	Cum
5	Chainage 3.875 km	1	x	1	75.00	1.50	0.50	56.25	Cum
6	Chainage 4.325 km	1	x	1	75.00	1.50	0.50	56.25	Cum
	TOTAL							330.75	Cum
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 8 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)								
Sl. No.	Item of Work	No.			L	B	H/D	Qty.	Unit
	X- Section's								
1	Chainage 2.000 km	1	x	1	75.00	1.50	1.50	168.75	Cum
	2nd	1	x	1	75.00	1.50	1.50	168.75	Cum
	3rd	1	x	1	75.00	1.50	1.50	168.75	Cum
2	Chainage 2.325 km	1	x	1	69.00	1.50	1.50	155.25	Cum
	2nd	1	x	1	69.00	1.50	1.50	155.25	Cum
	3rd	1	x	1	69.00	1.50	1.50	155.25	Cum
3	Chainage 2.975 km	1	x	1	75.00	1.50	1.50	168.75	Cum
	2nd	1	x	1	75.00	1.50	1.50	168.75	Cum
	3rd	1	x	1	75.00	1.50	1.50	168.75	Cum
4	Chainage 3.125 km	1	x	1	72.00	1.50	1.50	162.00	Cum
	2nd	1	x	1	72.00	1.50	1.50	162.00	Cum
	3rd	1	x	1	72.00	1.50	1.50	162.00	Cum
5	Chainage 3.875 km	1	x	1	75.00	1.50	1.50	168.75	Cum
	2nd	1	x	1	75.00	1.50	1.50	168.75	Cum
	3rd	1	x	1	75.00	1.50	1.50	168.75	Cum
6	Chainage 4.325 km	1	x	1	75.00	1.50	1.50	168.75	Cum
	2nd	1	x	1	75.00	1.50	1.50	168.75	Cum
	3rd	1	x	1	75.00	1.50	1.50	168.75	Cum
							Total	2976.75	Cum

2.19 (LV)

Name of Work : Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage - I) Motor road under PMGSY.

Name of Block: Dwarikhal (Pauri)

Length: 5.450 KM

Bill of Quantity for Civil Soyam Land

Sl. No.	Item of Work	Unit	Qty	Rate	Amount
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in charge.	Cum	330.75	221.50	73261.13
2	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 8 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each. (As per PWD Uttarakhand Specification)	Cum	2976.75	1351.40	4022779.95
3	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	Cum	40742.74	45.00	1833423.37
				Total	5929464.45
				Say	59.29
					Lacs

M. S.
J. B.

J. B.

अधिकासी अभियन्ता
पी. आई. यू. (पी. एम. जी. एस. वाई.)
सिंचाई खण्ड, लो0नि0वि0
कोटद्वार (पौड़ी गढ़वाल)

Name of Work : Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage - I) Motor road under PMGSY.			
Name of Block: Dwarikhal (Pauri)		Length:5.450 KM	
Muck Received From Hill Side Cutting			
Sr.No.	Description of work	Quantity	Unit
	Material recived from hill side cutting as per DPR	78586.49	Cum
Disposal and use of Material			
1	Construction of coolie walling	1422.45	cum
2	R.R. Stone Mesonary laid in 1:5	1426.57	cum
3	R.R. Stone Mesonary laid in Dry	2078.22	cum
4	Hand Packed Stone Filling	1465.87	cum
5	Construction of Wire Create	3573	cum
6	Making of Edge Stone	0	cum
7	Construction of Parapet (2x0.60x0.45)	41.58	cum
8	Construction of Pillars (0.300x0.300x0.400)	15.77	cum
9	Construction of Scupper (175.50 rm @ 5.29 cum/m)	928.4	cum
10	Material Used for hill side pucca k/c drain (Quantity=275.00rmt)(@0 167cum/rmt)	45.93	cum
11	G S B Filling	2774.06	cum
12	Oty of Material to be disposed along the Road side (25% of hill side cutting)	19646.62	cum
	TOTAL	33418.46	cum

Quantity of Muck to be disposed at dumping places = (Material Received-Materia used) cum	45168.03	CUM
Add Swell factor (Bulkage) 40% extra	18067.21	CUM
Material Disposed by Cartage	63235.24	CUM
TOTAL		


 J.E.


 J.E.


 J.E.

(2)

Name of Work ; Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage - I) Motor road under PMGSY.
Length:5.450 KM

: Dwarikhal (Pauri)

Muck Dumping Area of Civil Land

Muck Dumping Area of Civil Land									
S. No.	Location of wire-Crates		Type of Land	No	Size of catchment area of wire-crates		Area (sqm)	Area (hect)	
	X-section's	Latitude			Longitude	Length (m)			Width (m)
1	Chainage 2.000 km	29°58'11.06"N	78°36'8.21"E	Civil Land	1	75.00	15.00	1125.00	0000.113
2	Chainage 2.325 km	29°58'14.24"N	78°36'8.59"E	Civil Land	1	69.00	13.00	897.00	0000.090
3	Chainage 2.975 km	29°58'14.44"N	78°36'13.02"E	Civil Land	1	75.00	22.00	1650.00	0000.166
4	Chainage 3.125 km	29°58'9.05"N	78°36'10.86"E	Civil Land	1	72.00	20.00	1440.00	0000.145
5	Chainage 3.875 km	29°58'7.33"N	78°36'13.27"E	Civil Land	1	75.00	22.00	1650.00	0000.166
6	Chainage 4.325 km	29°58'7.52"N	78°36'17.53"E	Civil Land	1	75.00	23.00	1725.00	0000.173
						441.00	Total	8487.000	0000.852

(Signature)

(Signature)

(Signature)

(3)

Name of Work Construction of T02 (ODR) Mastkhal to Seelacanda (Stage - I) Motor road under PMGSY.

TOTAL CARRYING CAPACITY OF DUMPING YARD

Name of Block: Dwarikhah (Pauni)

Length: 5.450 KM

S. No.	Location of wire-Crates			Type of Land	No	Size of catchment area of wire-crates			Quantity	
	X-section's	Latitude	Longitude			Length (m)	Width (m)	Height (m)	Unit (cum)	Unit
1	Chainage 2.000 km	29°58'11.06"N	78°36'8.21"E	Civil Land	2/3	75.00	15.00	4.20	3150.00	Cum
2	Chainage 2.325 km	29°58'14.24"N	78°36'8.59"E	Civil Land	2/3	75.00	15.00	5.20	3900.00	Cum
3	Chainage 2.975 km	29°58'14.44"N	78°36'13.02"E	Civil Land	2/3	69.00	13.00	4.20	2511.60	Cum
4	Chainage 3.125 km	29°58'9.05"N	78°36'10.86"E	Civil Land	2/3	69.00	13.00	5.80	3468.40	Cum
5	Chainage 3.875 km	29°58'7.33"N	78°36'13.27"E	Civil Land	2/3	75.00	22.00	6.00	6600.00	Cum
6	Chainage 4.325 km	29°58'7.52"N	78°36'17.53"E	Civil Land	2/3	75.00	22.00	6.00	6600.00	Cum
					2/3	75.00	23.00	5.50	6050.00	Cum
					2/3	75.00	23.00	6.00	6900.00	Cum
					2/3	75.00	23.00	5.79	6658.50	Cum
						441.00		Total	63238.50	Cum

Carrying Capacity of Dumping Yard =

Total Quantity of material to be disposed to the oumping yard =

Hence Safe

Cum	63238.50
Cum	63235.24
Cum	3.26

(Signature)

(Signature)

(Signature)

Muck Disposal Plan

Name of Work : Construction of T02 (ODR) - Mastkhal to Seeladanda (Stage I) Motor road under PMGSY.

Name of Block: Dwarikhal (Pauri)

Length 5.450

Summary of Results

1 The quantity of material received from hill side cutting =
(Sheet attachad on page no. of Muck disposal estimate) 78586.49 Cum

2 The quantity of material used in various items =
(Sheet attachad on page no of Muck disposal estimate) 33418.46 Cum

3 The remaining quantity of muck for dumping i/c swell factor =
(Sheet attachad on page no. of Muck disposal estimate) 63235.24 Cum

4 Total Numbers of dumping yards needed for the dumping of muck =
(i) In Civil Soyam Land = 6 Nos
(ii) In Nap Land = 0 Nos

(Sheet attachad on page no of Muck disposal estimate) Total = 6 cum

5 Carrying capacity of dumping yards with proper dimensions & coordinates

(i) In Civil Soyam Land =
(ii) In Nap Land = 63238.50 Cum
0.00 Cum
(Sheet attachad on page no. of Muck disposal estimate) 63238.5 Cum

6 Land ownership Reports

(Sheet attachad on page no of Muck disposal estimate)

7 Total Amount for Construction of Dumping Yards

(i) In Civil Soyam Land = 59.29 Lacs
(ii) In Nap Land = 0.00 Lacs
(Sheet attachad on page no

8 Cost of Treatment plan =

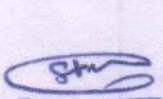
(i) In Civil Soyam Land =
(ii) In Nap Land =
(Sheet attachad on page no.

9 Total Amount in

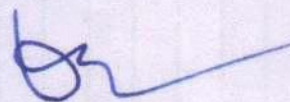
(i) In Civil Soyam Land = 59.29 Lacs
(ii) In Nap Land = 0.00 Lacs

(Sheet attachad on page no. of Muck disposal estimate)

Total = 59.29 Lacs


JE




E.E.

2.19 (IX)

Hill Side

Road width (6.00 mtr.)

Disposed muck

Typical Section of Muck Disposal Yard

1.500 mtr
1.500 mtr

wire crates

Gadgil
J.E.

सहायक अभियन्ता
सिंचाई खण्ड (लो०नि०वि०)
कोटद्वार (गढ़वाल)

अधिशायी अभियन्ता
पी. आई. यू. (पी. एम. जी. एस. काई.)
सिंचाई खण्ड, लो०नि०वि०
कोटद्वार (पी०डी गढ़वाल)

105

परियोजना का नाम	:- जनपद पौड़ी गढ़वाल में प्रधानमंत्री ग्रामीण सड़क योजना के अंतर्गत टी02(ओ0डी0आर) मस्टखाल से सीलाडांडा मोटर मार्ग (5.450 किमी) के नव निर्माण हेतु वन भूमि हस्तान्तरण प्रस्ताव।
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(परियोजना के राष्ट्रीय पार्क/वन्य जीव अभ्यारण्य के अन्तर्गत प्रस्तावित होने अथवा राष्ट्रीय पार्क/वन्य जीव अभ्यारण्य की सीमा के 10.00 किमी० की परिधि के अन्तर्गत होने की दशा में लागू)

लागू नहीं है।

मुख्य वन्य जीव प्रतिपालक, उत्तराखण्ड का अनापत्ति प्रमाण-पत्र संलग्न किया जाना होगा।

मुख्य वन्य जीव प्रतिपालक