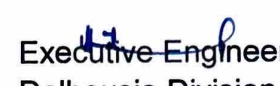


"Annexure RI"

COMPONENT WISE DETAIL OF MUCK TO BE GENERATED IN RESPECT OF
CONSTRUCTION OF LINK ROAD FROM KALAM KHHAD TO SARNA SALOH
NADDAL

S.No.	Quantity to be generated (Cum)	To be used Locally (Cum)	To be dumped (Cum)	To be dumped after swell (40%)
1	112000.00	50400.00	61600.00	86240.00


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DETAIL OF MEASUREMENT

Name of Work: C/O Link road from Kalam Khadd to Sarna Saloh Naddal

(Sub Head: Dumping place of muck/debris to be dumped in between RD 1/685 to 1/845, 2/160 to 2/320, 2/860 to 3/020 & 3/200 to 3/300)

S.No.	RD/KM	Name of dumping places	X- Sectional area (Sqm)	Length (m)	Quantity (Cum)
1	1/685 to 1/845	DS I	136.25	160.00	21800.00
2	2/160 to 2/320	DS II	136.25	160.00	21800.00
3	2/860 to 3/020	DS III	136.25	160.00	21800.00
4	3/200 to 3/300	DS IV	208.40	100.00	20840.00
TOTAL					86240.00


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**COST ESTIMATION OF RECLAMATION OF DUMPING SITES OF CONSTRUCTION
OF LINK ROAD FROM KALAM KHADD TO SARNA SALOH NADDAL**

S.No.	DESCRIPTION	UNITS	QUANTITY	RATE (RS)	AMOUNT (RS)
A	Engineering Measures				
1	Wire Crates and retaining walls	Cum	76.7965	1458.4	112000.00
B	Biological Measures				
1	Cost of fence post	No	40	150	6000.00
2	Carriage of fence Post to work site manually	No	40	8	320.00
3	Fixing of fence post	No	40	4.77	191.00
4	Cost of Barbed wire	Qtl	0.45	5500	2475.00
5	Carriage of barbrd wire by vehicle	Qtl		LS	3000.00
6	Carriage of barbed wire to work site manually	Qtl		LS	1500.00
7	Streching and fixing of barbed wire	Rmt	360	3.16	1138.00
8	Interlacing of thorny bushes in Barbed wire	Rmt	360	2.74	986.00
9	Layout of pits	Ha	0.6474	68.15	44.00
10	Digging of pits(60cm x 60 cm x 60 cm)	No	2877	6.98	20081.00
11	Filling of pits	No	2877	1.42	4085.00
12	Cost of Plants	No	2877	7	20139.00
13	Carriage of plants by vehicle	No	2877	1.5	4316.00
14	Carriage of plants to work site manually	No	2877	2	5754.00
15	Planting of entire plants raised in polybags	No	2877	8.73	25116.00
16	Planting of shrubs grasses in inerspaces	LS			5000.00
17	Watering of plants during dry season	LS			1500.00
18	Providing imported	No	2877	5	14385.00
19	Watch and ward	Mandays	150	200	30000.00
TOTAL					258030.00
C	Contingencies	LS			10000.00
D	Maintenance 1st to 7th year				73300.00
GRAND TOTAL (A+B+C+D)					341330.00
Say					341300.00

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**STATEMENT SHOWING DETAIL OF THE ROAD TO BE CONSTRUCTED (LINK ROAD FROM KALAM KHADD TO SARNA
SALOH NADDAL) Refer Item No 9(I) to (IV)**

S.No	RD		Distance in			Width or right of way in meters	Area of forest Land	Area of road in			Name of the village and forest nearby	Muck/ Debris to be produced (Cum)	Muck/ Debris to be used locally (Cum)	Muck/ debris to be dumped (Cum)	Remarks
	From	To	In forest land/ Govt Land	In non Forest Land	Total			In forest land/ govt land (Sqm)	In non forest land (Sqm)	Total					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0/000	8/450	7/220	1/230	8/450	5.00 mtrs on straight portion and up to 7.000 mtrs on curves	43320.00 Sqm (4.3320 Hectare) for road construcion	43320.00	7380.00	50700.00	Turkada, Sarna, Saloh & Naddal (Sarna DPF, Naddal Saloh C-1 DPF, Naddal Saloh No 3 DPF, Naddal Saloh No 4 DPF	112000.00	50400.00	61600.00 Cum (With swell @ 40% = 86240.00 Cum)	Muck will be disposed in four dumping sites identified along the proposed road

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**STATEMENT SHOWING THE DUMPING PLACE QUANTITY OF MUCK DEBRIS TO BE DUMPED WITH OTHER DETAIL FOR PROJECT IN
CHAMBA DISTT HIMACHAL PRADESH**

S.No.	Name the Component from where Muck/ Debris is to be produced	Total quantity of muck/ debris to be produced (Cum)	Total Quantity of muck/ debris to be dumped on compact bases (Cum)	Factor for increase in volume for dumping	Quantity of muck / debris to be dumped on basis of increase (Cum)	Name of Dumping Place	Slope of Dumping place	Location of Dumping Place	Distance of Dumping place from nearby river with name of river (Kms)	Area of dumping place with length and Breadth	Area of Ft Land out of Land Col	Height of Muck/ Debris dumped Expressed Vol 11 area in Mtrs	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Road Formation Cutting of hill side	112000.00	61600.00	40%	86240.00	DS-I	25%	DS-I (RD 1/685 to 1/845)	2.00 Kms from Sarna Khhad	DS-I = 1600 Sqm (L=160 m, Width=10 m)	Nil	DS-I=13.63 m	
						DS-II		DS-II (RD 2/160 to 2/320)		DS-II= 1600Sqm (L=160 m, Width=10 m)		DS-II=13.63m	
						DS-III		DS-III(RD 2/860 to 3/020)		DS-III= 1600 Sqm (L=160 m, Width=10 m)		DS-III=13.63m	
						DS-IV		DS- IV (3/200 to 3/300)		DS-IV = 1674 Sqm (L=100 m, Width=16.74 m)		DS-IV=12.45m	

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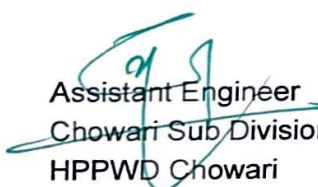
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PERFORMA V

STATEMENT SHOWING THE DETAILS OF PLACES FOR DISPOSAL OF ROAD TO BE CONSTRUCTED IN CHAMBA DISTRICT OF HP STATE

S.No	Name of Dumping Place	Location of Dumping Place i.e. Village and Khasra No etc	Slope of Dumping Place	Length, Breadth & area of dumping place (Sqm)	Quantity of muck/ debris to be dumped (Cum)	Height of dumping expected in mtrs	Remarks
1	2	3	4	5	6	7	8
1	DS-I	Turkada, 532/2	25%	DS-I = 1600 Sqm (L=160 m, Width=10 m)	21800.00	13.63	Along Proposed Road
2	DS-II	Sarna 409/2/6	25%	DS-II = 1600 Sqm (L=160 m, Width=10 m)	21800.00	13.63	Along Proposed Road
3	DS-III	Sarna 443/435/6	25%	DS-III = 1600 Sqm (L=160 m, Width=10 m)	21800.00	13.63	Along Proposed Road
4	DS- IV	Sarna 443/435/7	40%	DS-IV = 1674 Sqm (L=100 m, Width=16.74 m)	20840.00	12.45	Along Proposed Road

Total muck generated from road formation cutting will be 112000.00 Cum. As the road is a new construction muck will be used in filling in derpressions, filling in Retaining Walls, wing Walls etc to make road fit for smooth plying of vehicular traffic. So out of 112000.00 Cum 50400.00 Cum of muck will be used in above mentoned construction activities. Rest of muck will be dumped in proposed dumping sites.


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