

**FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM.  
0/00 TO 18/900.**

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

**DETAIL OF MUCK/DEBRIS TO BE PRODUCED**

**Name Of Work:- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO  
18/900. TO BE CONSTRUCTED IN DISTRICT MANDI STATE HIMACHAL PRADESH.**

**Detail of quantity to be produced and used during the construction of road**

Sr. No.	Description of items	Quantity
1	Total quantity to be produced during construction	161028.00
2	To be used for soling of road (6.5%), wearig of road (6.5%) and filling behind retaining walls of road (20%) total (33%)	53139
3	To be used for local use for construction of road average (total 33%)	53139
	<b>Total Quantity to used (2+3)</b>	<b>106278</b>
4	Net quantity to be dumped (3-(1+2))	54750.00
5	Soil factor 40%	21900
	<b>G-Total (4+5):-</b>	<b>76650.00</b>

*its*  
 Deputy Commissioner of Forests,  
 Suket Forest Division  
 Sundernagar Distt. Mandi (H.P.)

*[Signature]*  
 Executive Engineer,  
 Sunder Nagar Division  
 HPPWD Sunder Nagar


PERFORMA-V

STATEMENT SHOWING DETAIL OF PLACES FOR DISPOSAL OF MUCK/DEBRIS OF CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900. TO BE CONSTRUCTED IN DISTRICT MANDI STATE HIMACHAL PRADESH.

Sr. No.	Name of dumping places	Location of Dumping place i.e. village Khasra No.	Slope of dumping place	Length and width (in mtrs.) and Area of Dumping place (in sqm.)	Quantity of muck/Debris to be dumped [in 1000 cum]	Height of dumping expected.	Remarks (Area in bigha)
1	1st Dumping Place : Dharli	RD 0/00 to 4/630 Khasra No.274/252/5	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
2	2nd Dumping Place :Dharli	RD 0/00 to 4/630 Khasra No.245/3	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
3	3rd Dumping Place : Dharli	RD 4/665 to 8/305 Khasra No.271/2	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
4	4rth Dumping Place :Ropabandla	RD 8/305 to 8/475 Khasra No.77/3	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
5	5th Dumping Place : Ropabandla	RD 9/745 to 9/995 Khasra No.218/4	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
6	6th Dumping Place :Ropabandla	RD 10/065 to 10/575 Khasra No.935/404/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
7	7th Dumping Place : Ropabandla	RD 10/995 to 11/895 Khasra No.676/3	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
8	8th Dumping Place :Ropabandla	RD 12/113 to 11/880 Khasra No.577/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
9	9th Dumping Place : Salag	RD 12/880 to 13/870 Khasra No.693/34/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
10	10th Dumping Place :DPF Bunga	RD 15/595 to 18/025 Khasra No.12/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
			<b>Total:-</b>	<b>8090</b>	<b>48540.00</b>		<b>0.809</b>

Say 0.8090 Hect.

*[Signature]*  
 Executive Engineer,  
 Sunder Nagar Division  
 HPPWD Sunder Nagar

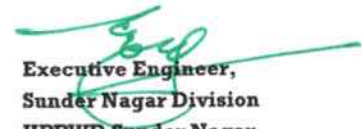
96  
  
 Deputy Conservator of Forests,  
 Sunder Nagar Division  
 Sundernagar Distt. Mandi (H.P.)

PROFORMA-III (REFER ITEM-8)

STATEMENT SHOWING DUMPING QUANTITY OF MUCK/DEBRIS TO BE DUMPED WITH OTHER DETAIL FOR PROJECT CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900. IN DISTRICT MANDI

Sr. No.	Name of component from Muck/Debris is to be produced	Total Qty. of Muck/Debris to be produced (000M3) (in Cum)	Qty. of Muck/Debris to be utilized locally (000M3) (in Cum)	Qty. of Muck/Debris to be Dumped on compact basis (000M3) (in Cum)	Factor of increase in Vol. for Dumping (in Cum)	Qty. of Muck/Debris to be Dumped on basis of increase (000M3) (in Cum)	Name of dumping places	Slop of dumping place	Location of Dumping place, Police Station & Nearby road	Distance of dumping place from river (In KMS)	Area of dumping place with Length and Breadth (In hect)	Area of forest land out of land in Column-10 (In hect)	Height of Muck/Debris dump expected (Vol. Area) (in mtrs.)	Remarks
1	2	3	4	5	6	7	8	14	10	11	12	13	14	15
1	Formation cutting work	161028.00	66% = 106278.00	34% = 54750.00	1.40	76650.00	Dharli. RopaBandl a ,Salag, DPF Bunga	1H : 3V			0.8090	10.6019	7.98	

66  
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**Financial Components For The Material Required To Be Filled To The Recognised Dumping Sites.**

Carriage of excavated material required hauling for dumping at the proposed site.	Net Quantity to lift Cum.	Rate of carriage Cum.	Amount.
1 Average lead = 2 Km.	137535.3	15.87	2182685.21
2 Unit cost of carriage Rs. Per cum.			
3 Rate of carriage = Average lead x Unit cost			
C/O Retaining structure for dumping sites (Dumping site cost appended)	Sr. No.	Dumping site No.	Amount.
	1	10	1245640.00
	<b>Total -</b>		<b>1245640.00</b>
<b>Total Cost of Dumping the muck (1+2) (Rs.)</b>			<b>3428325.21</b>

  
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**Consumption of Material  
SH: Construction of Dumping Sites**

Sr. no	Description of item	Qty.	Unit	Unit Special Gelatine 80%		Electric Detonator		S.F Coil	
				Rate	Qty.	Rate	Qty.	Rate	Qty.
	Formation cutting								
	Cutting in Earth work								
I	Pick work	32323.7	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
II	Jumper work	35470	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
II	Blasting work	11061.6	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
IV	Hard Rock	11061.6	P/Cum	10.00	110616	1.38	15265.01	0.00	0.00
			<b>Total</b>		<b>110616.00</b>		<b>15265.01</b>		<b>0.00</b>

  
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**Consumption of Material  
SH: Construction of Dumping Sites**

Sr.no	Description of item	Qty.	Unit	Cement in Tonne		Sand in Cum		Agg. 40mm in Cum		Boulder in Cum		G.I. Wire	
				Rate	Qty.	Rate	Qty.	Rate	Qty.	Rate	Qty.	Rate	Qty.
1	Boulders	74.7	Cum	0.00	0.00	0.00	0.00	0.00	0.00	1.00	74.7	0.00	0.00
2	GI wire 4 mm Dia	74.7	Sqm	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.37	849.34
			<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>				<b>74.70</b>	<b>11.37</b>	<b>849.34</b>

0.85  
Tonne

  
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**Extra cost Material  
SH: Construction of Dumping Sites**

Sr.No.	Description of item	Qty.	Unit	Rate as per HPSR	Market Rate/Stone issue rate	Difference	Amount
1	Special Gelatine	4314	Kg	75.00	80.00	5.00	21570.00
2	Electric Detonator	15270	Nos	7.00	25.00	18.00	274860.00
3	S.F Coil			0.00	0.00		
						<b>Total</b>	<b>296430.00</b>

  
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**Extra cost Material  
SH: Construction of Dumping Sites**

Sr.No.	Description of item	Qty.	Unit	Rate as per HPSR 2009	Market Rate/Stone issue rate	Difference	Amount
1	Boulders	74.7	Cum	300.00	700.00	400.00	29880.00
2	GI wire 4 mm Dia	850	Kg	60.00	100.00	40.00	34000.00
						<b>Total</b>	<b>63880.00</b>

  
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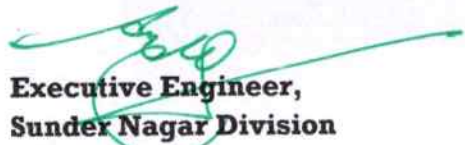
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**Extra Carriage Material  
SH: Construction of Dumping Sites**

Sr.No.	Description of item	Qty.	Unit	Rate	Amount
1	Carriage of earth/muck from site of work to dumping site as per Muck Management Plan	40110	Kg	15.90	637749.00
				<b>Total</b>	<b>637749.00</b>

  
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**Extra Carriage Material  
SH: Construction of Dumping Sites**

Sr.No.	Description of item	Qty.	Unit	Rate	Amount
1	Boulders	74.7	Kg	178.16	13308.55
2	GI wire 4 mm Dia	0.85	Tonne	268.70	228.40
				<b>Total</b>	<b>13536.95</b>

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**ABSTRACT OF COST**

Sr.No.	Description of item	Qty.	Unit	Labour Rate	Amount	Through Rate	Amount
1	Earth work in excavation for structure as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal upto a lead of 50.00 mtr., dressing of sides and bottoms and back filling in trenches with excavated suitable materials. Ordinary soil upto 3.00 metres depth.	7.717	per Cum	128.15	988.93	128.15	988.93
2	Providing and laying boulder apron laid in wire crates with 4 mm dia G.I. wire conforming to IS: 4826 in 100x100 mm mesh (woven diagonally) including ten percent extra for laps and joint laid with stone boulder weighing not less than 25 Kg each as per drawing and technical specification clause 1301.	124.6	per Cum	125.15	15593.69	1458.40	181716.64
				Total	16582.62		182705.57
	Add labour enhancement 100% on labour rate						16582.62
						<b>Total</b>	<b>199288.20</b>
	Add Extra carriage of material						13536.95
	Add extra cost of material						63880.00
						<b>G. Total</b>	<b>276705.14</b>

  
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