

**Name of Project - Construction of Agron Bend
Awalanghat Motor Road In Gangolihat Block In
Distt. Pithoragarh. (lenth 17.00km)**

Muck Disposal Plan

Summary of Muck dumping plan

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh. (lenth 17.00km).

- 1- The Material received from hill side cutting
- 2- The use of received muck in various items
- 3- The remaining muck for dumping
- 4- Number of sites needed for dumping of muck
- 5- Carrying capacity of site with lattitude & logitude
- 6- Land required for muck disposal (~~Naap~~ Land) 0.99 Hact. Page No. (Muck Disposal Estimate)
- 7- Treatment plan on page no. (Muck Disposal estimate)

प्रपत्र - 40.40

Estimate Of Quantity For Muck Disposal

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh. (lenth 17.00km)

For Length of 1.00 Km.

(A)	Muck obtained from H.S. Cutting						
		1*1/2	1000.00	6.00	3.50	10500.00	cum
	Swelling factor 40 %					4200.00	cum
					Total	14700.00	cum
	Muck used in Construction Work						
	1- Retaining walls	1*1	450	(1.93+0.60)	4.00	2277.00	cum
	2- Breast wall	1*1	400	(0.9+0.60)/	1.80	540.00	cum
	3- construction Of scuppers	1*8	37.09			296.72	cum
				Total solid		3113.72	cum
				Swelling factor 40 %		1245.488	cum
				Total		4359.21	cum
	4- H.P. Stone filling	1*1/2	450.00	1.00	4.00	900.00	
	5- Soling Work	1*1	1000.00	4.05	0.15	607.50	
	6- Making Superelevation	1*14	30.00	6.00	0.40	1008.00	
	7- Making Subgrade	1*1	1000.00	6.00	(0.00+0.30)/2	900.00	
	8- stacking for Patri/Rut filling	1*2	1000.00	1.00	0.50	1000.00	cum
	9- Loss during Construction	1*1/2	1000.00	2.25	1.16	1305.00	cum
				Total		10079.71	cum
				or		68.57	%
	10- Natural disposal due to rain and steep slope					10.00	%
				Total percentage of quar		78.57	%
				or		79	%
				Balance quantity for disposal		21	%
	Quantity of muck for disposal in dumping places (cum per Km.)					3087.00	cum
	For 17.00 km. Length (3087*17.00)					52479.00	cum


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Temp. Div. P.W.D.
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Asstt. Engineer
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Executive Engineer
Temp. Div. P.W.D.
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वन क्षेत्राधिकारी
गंगोलीहट वन क्षेत्र
पिथौरागढ़ वन प्रभाग पिथौरागढ़

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh. (lenth 17.00 km)

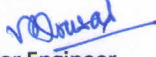
Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604 Earthwork in excavation for structures.

वन अध्याधिकार
 गंगोलीसुट वन क्षेत्र
 विमोचक वन प्रभाग विमोचक

Bill of Quantity

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihaat Block In Distt. Pithoragarh.(lenth 17.00km)

S. no	Item of work	S.O.R (Effective Date- 16/05/2014)	Quantity	Unit	Rate	Amount (Rs)
1	Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604 Earthwork in excavation for structures.	75157 8-4-1	404.25	Cum	246.30	99566.78
2	Random Rubble stone masonry laid dry in including supply of all material, labour, T&P etc. required for proper completion of the work. (As per PWD Uttarakhand specifications).	75478 16-3	2277.00	Cum	1559.2	3550298.40
3	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 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.	75484 16-9-1-1	383.17	Cum	8881.17	3402997.91
			Total			7052863.08
	Seed plantation & vegetation		L.S.			150000.00
	Supervision & Maintenance (Chowkidar)		L.S.			150000.00
					Total	7352863.08
	Contintengency		2%			147057.26
Grand Total						7499920.35


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ब्रह्मगीय वन अधिकारी
पिथौरागढ़ वन प्रभाग


वन क्षेत्र अधिकारी
गंगोलीहाट वन क्षेत्र
पिथौरागढ़ वन प्रभाग पिथौरागढ़

प्रपत्र - 40.60

Detail of Vegetation Plantation Area in Muck Disposal Work

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh. (lenth 17.00 km)

S.no	Chainage of Area	Latitude	Logitude	Length	Width	Area (AxB) sqm	Area Hect.
1	Km 1 Hecto (4-6)	29°39'31.9"N	80°5'21.2"E	40.00	20.00	800	0.080
2	Km 4 Hecto (0-2)	29°39'1.1"N	80°5'7.9"E	35.00	20.00	700	0.070
3	Km 9 Hecto (2-4)	29°38'27.9"N	80°5'29.3"E	40.00	15.00	600	0.060
4	Km 10 Hecto (6-8)	29°30'23.9"N	80°6'22"E	37.00	15.00	555	0.056
5	Km 11 Hecto (8-10)	29°38'21.1"N	80°6'23.8"E	40.00	20.00	800	0.080
6	Km 13 Hecto (4-6)	29°38'24.4"N	80°6'22.2"E	35.00	23.00	805	0.081
7	Km 13 Hecto (8-10)	29°38'10.6"N	80°6'41.6"E	40.00	20.00	800	0.080
8	Km 14 Hecto (8-10)	29°38'8.6"N	80°6'42.9"E	35.00	15.00	525	0.053
9	Km 15 Hecto (0-2)	29°38'6"N	80°6'45.6"E	35.00	15.00	525	0.053
10	Km 15 Hecto (2-4)	29°37'57.7"N	80°6'52.8"E	30.00	20.00	600	0.060
11	Km 15 Hecto (6-8)	29°37'53.5"N	80°6'50.3"E	29.00	15.00	435	0.044
12	Km 16 Hecto (4-6)	29°37'49.3"N	80°7'0.9"E	33.00	20.00	660	0.066
13	Km 16 Hecto (6-8)	29°37'48"N	80°7'4.7"E	35.00	20.00	700	0.070
14	Km 17 Hecto (0-2)	29°37'47.3"N	80°7'16.4"E	40.00	20.00	800	0.080
15	Km 17 Hecto (2-4)	29°37'41.9"N	80°7'20.4"E	35.00	18.00	630	0.063
TOTAL AREA						9935	0.9935

[Signature]
Junior Engineer
Temp. Div. P.W.D.
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Asth. Engineer
Temp. Div. P.W.D.
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Executive Engineer
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प्रपत्र - 40.5

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh. (lenth 17.00 km)

Carring Capacity of wire crate

S.no	Chainage of wire crate	No	Size of Cathment area of wire crate			Quantity	Unit
			Length (mitre)	Wirdth (mitre)	Height (mitre)		
1	Km 1 Hecto (4-6)	0.50	40.00	20.00	1.30	520.00	Cum
		1.00	40.00	20.00	4.50	3600.00	Cum
2	Km 4 Hecto (0-2)	0.50	35.00	20.00	1.80	630.00	Cum
		1.00	35.00	20.00	5.50	3850.00	Cum
3	Km 9 Hecto (2-4)	0.50	40.00	15.00	1.50	450.00	Cum
		1.00	40.00	15.00	4.00	2400.00	Cum
4	Km 10 Hecto (6-8)	0.50	37.00	15.00	1.50	416.25	Cum
		1.00	37.00	15.00	3.50	1942.50	Cum
5	Km 11 Hecto (8-10)	0.50	40.00	20.00	1.50	600.00	Cum
		1.00	40.00	20.00	6.00	4800.00	Cum
6	Km 13 Hecto (4-6)	0.50	35.00	23.00	2.00	805.00	Cum
		1.00	35.00	23.00	5.50	4427.50	Cum
7	Km 13 Hecto (8-10)	0.50	40.00	20.00	1.90	760.00	Cum
		1.00	40.00	20.00	5.50	4400.00	Cum
8	Km 14 Hecto (8-10)	0.50	35.00	15.00	1.50	393.75	Cum
		1.00	35.00	15.00	4.50	2362.50	Cum
9	Km 15 Hecto (0-2)	0.50	35.00	15.00	1.80	472.50	Cum
		1.00	35.00	15.00	4.80	2520.00	Cum
10	Km 15 Hecto (2-4)	0.50	30.00	20.00	1.50	450.00	Cum
		1.00	30.00	20.00	3.50	2100.00	Cum
11	Km 15 Hecto (6-8)	0.50	29.00	15.00	1.50	326.25	Cum
		1.00	29.00	15.00	4.00	1740.00	Cum
12	Km 16 Hecto (4-6)	0.50	33.00	20.00	1.50	495.00	Cum
		1.00	33.00	20.00	4.00	2640.00	Cum
13	Km 16 Hecto (6-8)	0.50	35.00	20.00	1.50	525.00	Cum
		1.00	35.00	20.00	3.50	2450.00	Cum
14	Km 17 Hecto (0-2)	0.50	40.00	20.00	1.80	720.00	Cum
		1.00	40.00	20.00	3.00	2400.00	Cum
15	Km 17 Hecto (2-4)	0.50	35.00	18.00	1.50	472.50	Cum
		1.00	35.00	18.00	4.50	2835.00	Cum
TOTAL						52503.75	Cum

W. S. S. S.
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S. S. S.
Astd. Engineer
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W. S. S. S.

DETAIL OF MEASUREMENT

Name of Project : Construction of Agron Bend Awalanghat Motor Road In Gangolihat Block In Distt. Pithoragarh.(lenth 17.00km)

Item no - (1) Providing & Laying of boulder apron laid in wire crate with 4 mm. dia. Wire conforming to IS:280 and IS: 4826 in 100 mm*100 mm mesh (woven diagonally) including 10 % extra for lap & joints laid with stone boulders weighing not less than 25 kg. each as per drawing & technical specification Clause 1301

Sr. No.	Item of work	No.	Length	Width	Height	Quantity	Unit
1-	Km 1 Hecto (4-6)	1*1	40.00	1.50	1.50	135.0	cum
	2nd	1*1	40.00	1.25	1.50	112.5	cum
2-	Km 4 Hecto (0-2)	1*1	35.00	1.50	1.50	128.3	cum
	2nd	1*1	35.00	1.25	1.50	106.9	cum
3-	Km 9 Hecto (2-4)	1*1	40.00	1.50	1.50	121.5	cum
	2nd	1*1	40.00	1.25	1.50	101.3	cum
4-	Km 10 Hecto (6-8)	1*1	37.00	1.50	1.50	135.0	cum
	2nd	1*1	37.00	1.25	1.50	112.5	cum
5-	Km 11 Hecto (8-10)	1*1	40.00	1.50	1.50	121.5	cum
	2nd	1*1	40.00	1.25	1.50	101.3	cum
6-	Km 13 Hecto (4-6)	1*1	35.00	1.50	1.50	135.0	cum
	2nd	1*1	35.00	1.25	1.50	112.5	cum
7-	Km 13 Hecto (8-10)	1*1	40.00	1.50	1.50	128.3	cum
	2nd	1*1	40.00	1.25	1.50	106.9	cum
8-	Km 14 Hecto (8-10)	1*1	35.00	1.50	1.50	121.5	cum
	2nd	1*1	35.00	1.25	1.50	101.3	cum
9-	Km 15 Hecto (0-2)	1*1	35.00	1.50	1.50	135.0	cum
	2nd	1*1	35.00	1.25	1.50	112.5	cum
10-	Km 15 Hecto (2-4)	1*1	30.00	1.50	1.50	121.5	cum
	2nd	1*1	30.00	1.25	1.50	101.3	cum
11-	Km 15 Hecto (6-8)	1*1	29.00	1.50	1.50	128.3	cum
	2nd	1*1	29.00	1.25	1.50	106.9	cum
12-	Km 16 Hecto (4-6)	1*1	33.00	1.50	1.50	128.3	cum
	2nd	1*1	33.00	1.25	1.50	106.9	cum
13-	Km 16 Hecto (6-8)	1*1	35.00	1.50	1.50	128.3	cum
	2nd	1*1	35.00	1.25	1.50	106.9	cum
14-	Km 17 Hecto (0-2)	1*1	40.00	1.50	1.50	128.3	cum
	2nd	1*1	40.00	1.25	1.50	106.9	cum
15-	Km 17 Hecto (2-4)	1*1	35.00	1.50	1.50	128.3	cum
	2nd	1*1	35.00	1.25	1.50	106.9	cum
Total						2586.4	cum
or						383.17	no.

MD
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17/05/2017
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Certificate of Muck disposal plan

The proposed estimate has been prepared for disposal of muck for the construction of Agron Bend Awalanghat Motor Road. Joint Inspection of site selection of land for muck disposal has been carried on 29 August 2014 . Fifteen places have been selected with cosent of the the people for private land

All these places are located near the proposed road. Wire crate for muck disposal will be fixed parallel to the road as far as possible. Farmers have given No Objection Certificate for allowing their land for making dumping yard for muck disposal.

an estimate of Rs. 74.99 Lac. has been prepared for disposing of muck obtained during the construction of Road. These works will be carried out as proposed in the estimate during the construction of road.

Muck will not be disposed in forest covered with trees water resources/bodies to avoid loss of environment.



Junior Engineer

Temp. Div. P.W.D.

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Asstt. Engineer

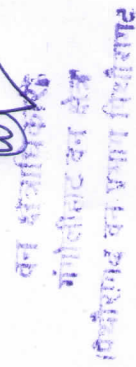
Temp. Div. P.W.D.

Berinag


Excutive Engineer

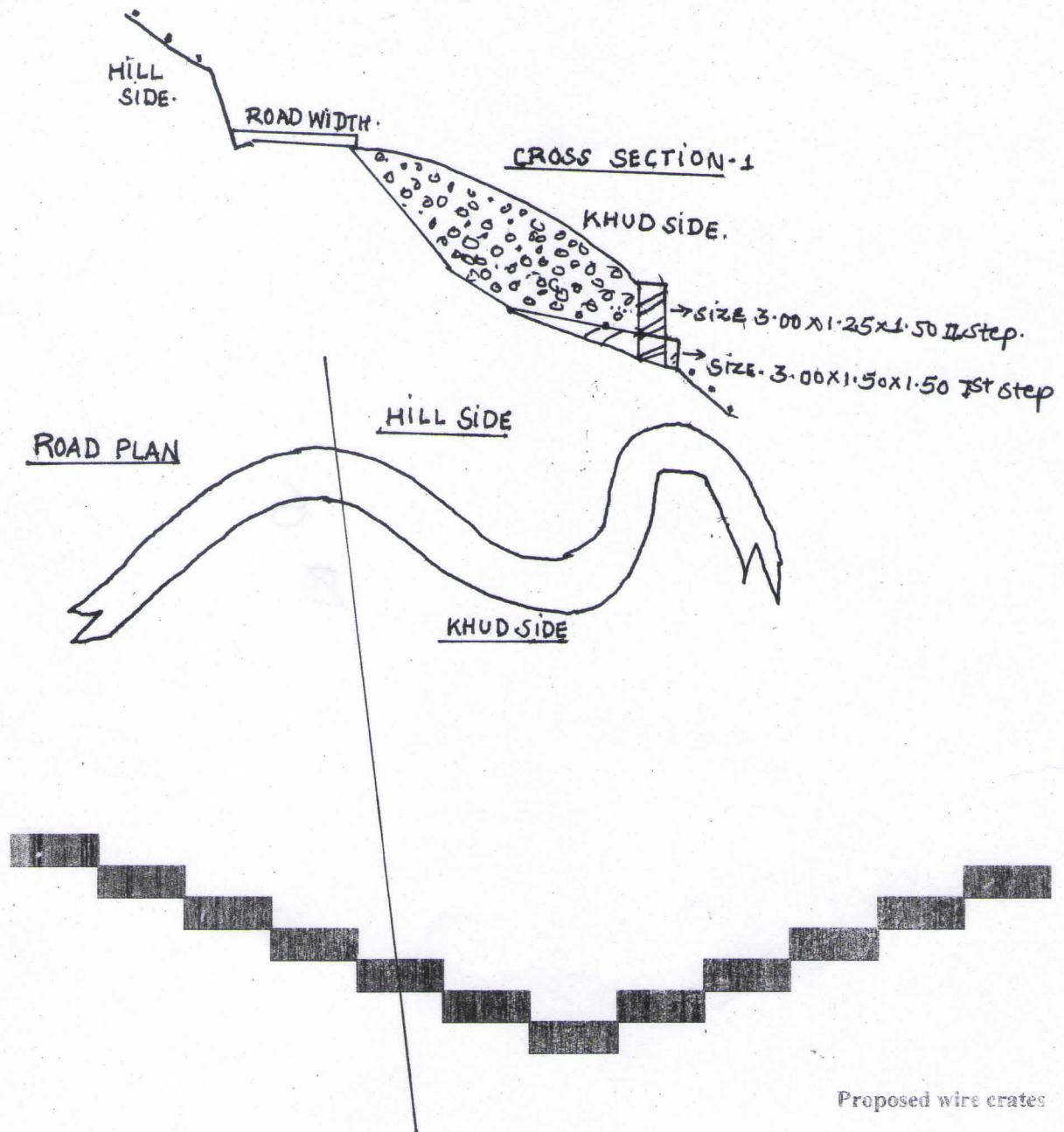
Temp. Div. P.W.D.

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P.W.D. Berinag
District Engineer

(2.19)
Drawing Dumping Zone

66(A)



[Signature]
Junior Engineer (P.W.D)

[Signature]
Assistant Engineer (P.W.D)

[Signature]
Executive Engineer (P.W.D)

वन क्षेत्राधिकार
गंगोलीहाट वन क्षेत्र
पेथौरगढ़ वन प्रभाग पिथौरगढ़