

प्रपत्र-41

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD .

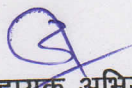
विकास खण्ड का नाम :- धा चूला

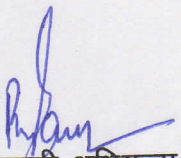
प्रतिवेदन

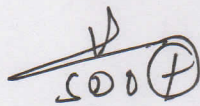
प्रस्तुत प्राक्कलन उक्त मोटर मार्ग के निर्माण के समय उत्सर्जित मलवे के निस्तारण हेतु गठित किया गया है। उत्सर्जित मलवे के निस्तारण हेतु स्थल चयन हेतु संयुक्त निरीक्षण किया गया, निरीक्षण के समय मार्ग में आवेदित वनभूमि के चैनेज संख्या किमी० 0.900, गागरा गौरागांव के किमी० 1.850, पर स्थलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे पर स्थित है। मवला निस्तारण हेतु खड्ड साइड में मार्ग के समानान्तर वायरक्रेट लगाये जाने का प्रावधान है।

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रु० 31.97 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे।


कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


सहायक अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


अधिकासी अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


5000


अस्कोट क्षेत्र (विशेषाधिकार)

प्रपत्र-41

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

विकास खण्ड का नाम :- धातूला

मक डम्पिंग प्लान/प्रमाण पत्र

प्रमाणित किया जाता है जनपद पिथौरागढ़ में बलुवाकोट से कांडा मोटर मार्ग के निर्माण से उत्पादित मलबे को उचित प्रक्रियानुसार सुरक्षित स्थान पर डम्प किया जायेगा। मलबा कहीं भी वृक्ष आच्छादित क्षेत्र, जल स्रोतों में नहीं डाला जायेगा।



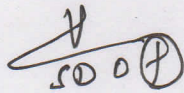
कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट



सहायक अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट



अधिरासी अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट



नि०ख०, लो०नि०वि० अस्कोट

ANALYSIS OF RATE

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

Rate Applied P.W.D.S.O.R. Date 16/5/2014

Sl. No		Item Description	Rate Block 50 Dharchula	Unit
1	16-1	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	262.30	cu.m
2	14-2	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire cu.m conforming to IS:280 and IS 4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than	2,049.40	cu.m
3	1-10-2	Haulage excluding Loading & Unloading Haulage of materials by lorry excluding cost of loading, unloading and stacking (taking output 10 t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	6.20	Tonne. Km
4	1-1-2	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	43.40	Cum

J.E.

A.E.

सहायक अभियन्ता
उपखण्ड लो.नि.वि
धारचूला

अधिशाली अभियन्ता
मार्ग खण्ड लो.नि.वि
अम्बोट (पिथौरागढ़)

धन संयोजक
अम्बोट खण्ड (पिथौरागढ़)

DETAIL OF ESTIMURMENT (NAP LAND)

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

LENGTH 2 K.M

1 Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.								
SI No.	Location of wirecrate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
	Ch 1/34 of Gagra Gaira gaon MR	1x1	70.00	1.50	0.50	52.50	cum	
	Sides	1x2	14.00	1.50	0.50	21.00	Cum	
					TOTAL	73.50	cum	
2 Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire cu.m conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301								
SI No.	Location of wire crate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
	Ch 1/34 of Gagra Gaira gaon MR							
	Ist Step	1x1	70.00	1.50	1.50	157.50	cum	
	I Ist Step	1x1	70.00	1.50	1.50	157.50	cum	
	II Ist Step	1x1	70.00	1.50	1.50	157.50	cum	
	Sides	1x2	14.00	1.50	4.00	168.00	cum	
				GRAND TOTAL		640.50	Cum	
3 Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road								
Average density of Debris (E&B) = 1600 Kg/cum or 1.6 tonne/cum Thus, Weight of Debris = 6174x1.6 = 9878.40 tonne Average Distance of Dumping Yard = 0.85 Km								
	Thus material to be disposed	9,878.40		X	0.85	= 8,396.64 per Tonne.Km		
4 Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means								
							= 6,174.00 Cum	

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सहायक अभियन्ता
 उपनिवेश लो. नि. वि.
 धारचूला

अधिकारी अभियन्ता
 निर्माण सण्ड लो. नि. वि.
 अलकोट पिपौरागढ़

1
 नमो भगवते वासुदेवाय
 नमो भगवते वासुदेवाय

(51)

Bill of Quantity (NAP LAND))

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA
MOTOR ROAD.

SI No	SOR No.	Name of Item	QTY	Unit	Rate	Per	Amount
1	16-1	Excavation in foundation for retaining & breast wall in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	73.50	Cum	262.30	Cum	19279.05
2	14-2	Providing and laying of boulder apron laid in wire crate with 4 mm dia GI wire cu.m conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical	640.50	Cum	2049.40	Cum	1312640.70
3	1-10-2	Haulage excluding Loading & Unloading Haulage of materials by tipper excluding cost of loading, unloading and stacking (taking output 10t load and lead 10 km = 100 t.km) Unsurfaced Gravel Road	8396.64	Tonne.km	6.20	Tonne.km	52059.17
4	1-1-2	Loading of Earth, Sand Stone chips, Moorum, Manure Flyash by manual means including a lead upto 30 m	6174.00	Cum	43.40	Cum	267951.60
						Total	1651930.52

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महोदय (निरीक्षण)

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सहायक अभियन्ता
उपखण्ड लो.नि.वि.
धारचूला

अभिषेक
अभिषेक अभियन्ता
मेरगाँव सप्ट लो.नि.वि.
अदकोट (पिथौरागढ़)

(52)

DETAIL OF MESURMENT (CIVIL LAND)

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

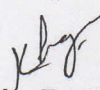
LENGTH 2 K.M

- 1 Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.

SI No.	Location of wirecrate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Ch. 0/36	1x1	100.00	1.50	0.50	75.00	cum	
	Sides	1x2	6.50	1.50	0.50	9.75	Cum	
					TOTAL	84.75	cum	

- 2 Providing and laying of boulder armor laid in wire crates with 4 mm dia GI wire cu.m conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301

SI No.	Location of wire crate	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	QUANTIT Y	Unit	REMARK
1	Ch. 0/36							
	Ist Step	1x1	100.00	1.50	1.50	225.00	cum	
	IIst Step	1x1	100.00	1.50	1.50	225.00	cum	
	IIIst Step	1x1	100.00	1.50	1.50	225.00	cum	
	Sides	1x2	6.50	1.50	3.50	68.25	cum	
					GRAND TOTAL	743.25	Cum	


Junior Engineer,
Const. Div. PWD Askote


Asst. Engineer,
Const. Div. PWD Askote


अधिसहायी अभियन्ता
मार्ग सुष्ठु लो०नि०वि०
अस्कोट (पिथौरागढ़)


जूनियर इंजीनियर
पब्लिक वर्क्स विभाग
अस्कोट (पिथौरागढ़)

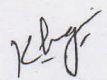
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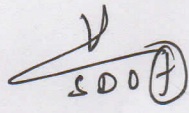
Bill of Quantity (CIVIL LAND)

**NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA
MOTOR ROAD.**

SI No	SOR No.	Name of Item	Quantity	Unit	Rate	Per	Amount
1	16-1	Excavation in foundation for retaining & breast walls in all types of soil and rock including lead, lift and disposal of surplus material as per specification.	84.75	Cum	262.30	Cum	22229.93
2	14-2	Providing and laying of boulder apron laid in wire crate with 4 mm dia GI wire cum conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	743.25	Cum	2049.40	Cum	1523216.55
						Total	1545446.48


Junior Engineer, Const. Div. PWD Askote


Asst. Engineer, Const. Div. PWD Askote


5000


अधिसारी अभियन्ता
मार्ग खण्ड लोनिवि
अस्कोट (पिथौरागढ़)


अधिसारी अभियन्ता
मार्ग खण्ड लोनिवि
अस्कोट (पिथौरागढ़)

MUCK DISPOSAL PLAN

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

Summary of Result

1	The quantity of material received from hill side cutting (Sheet attached on page no-)	29400.00	Cum
2	The quantity of material used in various items (Sheet attached on page no-)	23226.00	Cum
3	Total numbers of dumping yards needed for the dumping of muck (i) In civil land (ii) In nap land Total	1 1 2	Nos Nos Nos
4	Carrying capacity of dumping yards (i) In civil land (ii) In nap land Total	1060.94 5427.00 6487.94	Cum Cum Cum
5	Land ownership reports(Nap Land) (Sheet attached on page no-)		
6	Total Amount for Construction of dumping Yards (i) In civil land (ii) In nap land	15.45 16.52	Lacs Lacs

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सहायक अभियन्ता
उपखण्ड लो.नि.वि
धरदूला

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NAME OF WORK-DUMPING ZONE IN CIVIL LAND OF BALUWAKOTE-KANDA MOTOR ROAD.

NAME OF BLOCK- DHARCHULA (PITHORAGRAH)

Details of Muck disposal Yards with land Owner Detail							
S.NO.	Chainage	Name of Land owner & Village	Land in Hect	land in Sqm.	No.	used for Dumping Yards (Sqm)	Longitude Latitude
1	1/34 of Gagra Gairagaon MR	Sh. Pramod Kumar s/o KalyanRam	0.105	1050		1050.00	80 25'06.30" 29 47'58.13"

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महायका अभियन्ता
उपखण्ड लो.मि.वि.
धारचूला

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अविभासी अभियन्ता
मार्ग खण्ड लो.मि.वि.
अस्कोट (पिथौरागढ़)

AB.
महायका अभियन्ता
उपखण्ड लो.मि.वि.
धारचूला

75

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

NAME OF BLOCK- DHARCHULA (PITHORAGRAH)

MUCK DUMPING

S.N O.	Location of Muck Dumping Zone		Type of land	No.	Catchment area of Muck dumping Zone		Area(Sqm)	Area(Hect)
	X-section's	Latitude			Length (M)	Width(M)		
1	Ch. 0/36	29 48'12.20"	Civil		100.00	5.00	500.00	0.050
2	Ch. 1/34 of Gagra Gairadaon M/R	29 47'58.13"	Nap		70.00	15.00	1050.00	0.105

सहायक अभियन्ता
उपखण्ड लो.नि.वि.
धारचूला

अधियासी अभियन्ता
जीप खण्ड लो.नि.वि.
अरुन्धत (पिथौरगढ़)

1/2/2020

1/2/2020

सहायक अभियन्ता
उपखण्ड लो.नि.वि.
धारचूला

NAME OF WORK-DUMPING YARD WORKS OF BALUWAKOTE-KANDA MOTOR ROAD.

LENGTH 2 KM

SI No.	Item of work	Nos.	Length (in m)	Breadth (in m)	Depth / Height (in m)	Content	Unit
1	Muck Obtained from H.S Cutting	1x1/2	1,000.00	6.00	3.50	21,000.00	cum
	swelling Factor @ 40%					8,400.00	cum
					TOTAL	29,400.00	cum
2	Muck used in Construction Work						
	1) Retaining Walls	1x1	300.00	(1.93+0.60)/2	4.00	4,554.00	cum
	2) Breast Walls	1x1	300.00	(0.90+0.60)/2	1.80	1,080.00	cum
	3) Construction of scupper	1x8	74.18	-	-	593.44	cum
	swelling Factor @ 40 %				Total solid	6,227.44	cum
						2,490.98	cum
					TOTAL	8,718.42	cum
	4) HP Stone Filling	1x1/2	300.00	1.00	4.00	1,800.00	cum
	5) Soling Work	1x1	1000.00	4.05	0.15	1,215.00	cum
	6) Making superelevation	1x14	60.00	6.00	0.40	2,016.00	cum
	7) Making Subgrade	1x1	1000.00	6.00	(0.00+0.30)/2	1,800.00	cum
	8) Stacking for Patri/Rut filling	1x2	1000.00	1.00	0.50	2,000.00	cum
	9) Loss during construction (By excavator & tipper)	1x1/2	1000.00	2.25	1.16	2,610.00	cum
					Total or	20,159.42	cum
					or	68.57	%
	10) Natural disposal due to Rain and steep slope	-	-	-	-	10.00	%
			Total percent of qty say			78.57	%
			Balance qty for required disposal			79.00	%
			Qty in cum			21.00	%
						6,174.00	cum

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सहायक अभियन्ता
उपखण्ड लो.नि.वि.
बाराबंकी

5000

अधिसूचना अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिपरीसगढ़)

बन बान अभियन्ता
अस्कोट खंड (पिपरीसगढ़)

70

Sl.No.	Location of dumping yard	Size of dumping yard							Capacity of dumping yard(Cum)	Type of land	Remark
1	Ch. 0/36	1	x	0.5	97.00	3.50	6.00	+	6.50	Civil land	Balance Muck will be shifted to Gagra GairaGaon M/R
2	Ch. 1/34 of Gagra Gairagaon M/R	1	x	1	67.00	13.50	6.00			Nap Land	
							Total				
							6487.94				

Summary of Debris Disposal

Sl. No.	Total Debris	Material disposal by cartage	Reused material for road construction	Total disposal in dumping zone	Balance Debris
1	29,400.00	6,174.00	20,159.42	6,174.00	Nil
2					
3					

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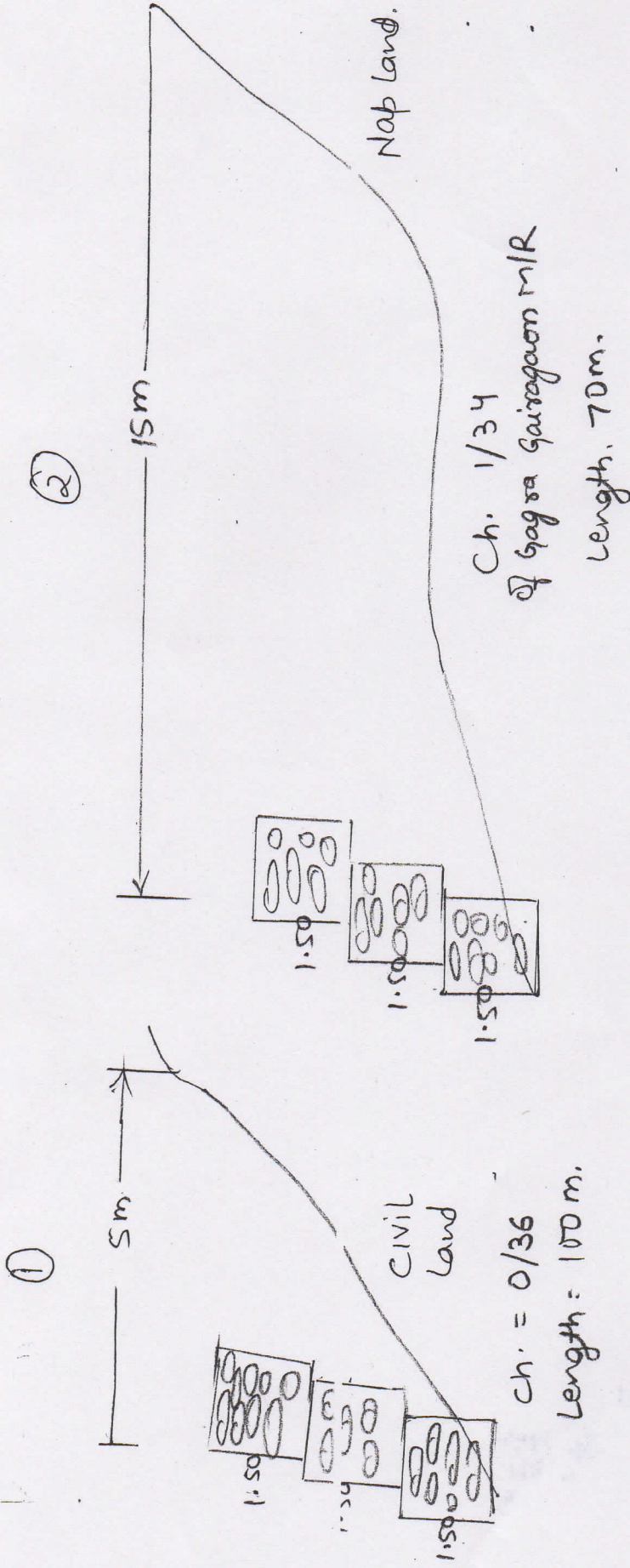
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ॐ नमो भगवते वासुदेवाय

सहायक अभियन्ता
अपखण्ड लो.नि.वि.
धारखला


 अधीक्षक अभियन्ता
 मार्ग सुपड लो० नि० वि०
 अस्कोट (पिथौरागढ़)

X-sections of Baluwakote Kanda M/R



Not to scale.

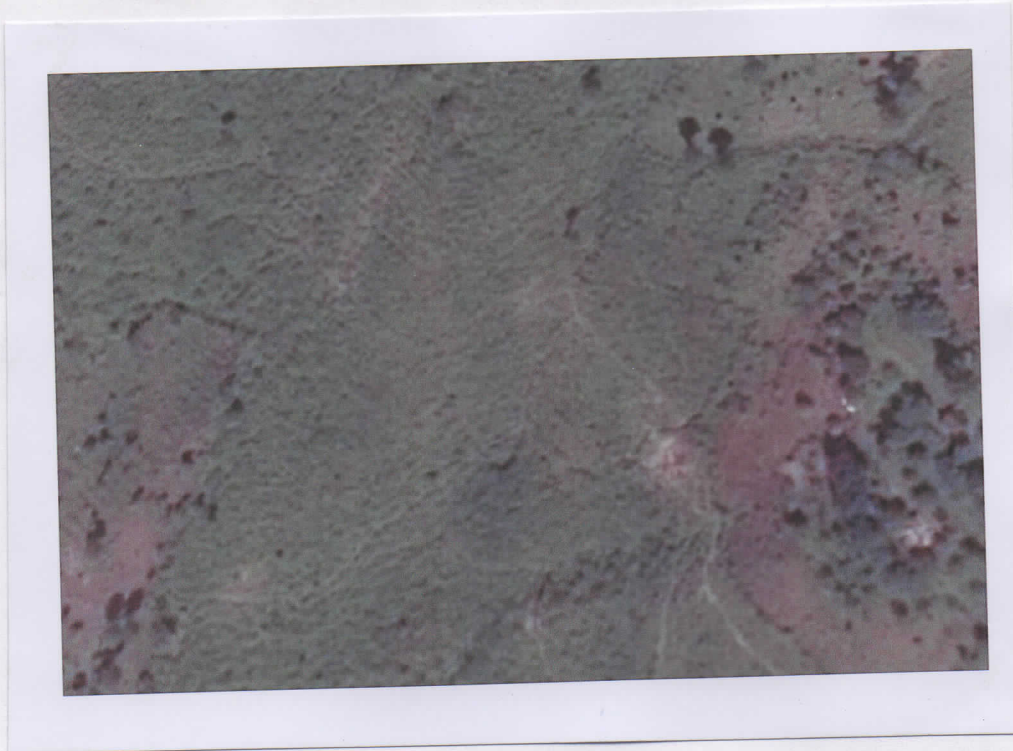
अधिकारी अभियन्ता
मार्ग सण्ड लो.नि.वि.
अखण्ड (पिपरागढ़)

सहायक अभियन्ता
अखण्ड लो.नि.वि.
भारतपुरा

प्र. ५/५००४

अधिकारी अभियन्ता
मार्ग सण्ड लो.नि.वि.
अखण्ड (पिपरागढ़)

परियोजना का नाम:- बलुवाकोट से कांडा मोटर मार्ग का निर्माण (लम्बाई 2.00 किमी.)



Khajur
JE
PWD DHARUWAKA

सहायक अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिथौरागढ़)

राजस्व उप निरीक्षक
क्षेत्र. न.स.स.का.का.
तहसील - धारघूला

अधिशाली अभियन्ता
निर्माण खण्ड लो.नि.वि.
अस्कोट (पिथौरागढ़)

तहसीलदार
धारघूला