

प्रपत्र-41


**NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAV
NAWALI M/R TO RUNRA M/R**


विकास खण्ड का नाम :- कनालीछीना

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 मलवा निस्तारण हेतु छडनदेव न्वाली मो० मा० के किमी० 14 (हे० मी० 4-6), एवं प्रस्तावित मो० मार्ग के किमी० 1 (हे० मी० 4-6), किमी० 2 (हे० मी० 0-2), किमी० 2 (हे० मी० 6-8), पर स्थलों का चयन किया गया है। उक्त स्थल मार्ग के किनारे पर स्थित है। मलवा निस्तारण हेतु खड्ड साइड में मार्ग के समानान्तर वायरक्रेट लगाये जाने का प्राविधान है।

अतः उक्तानुसार उत्सर्जित मलवे के निस्तारण हेतु रू० 36.94 लाख का प्राक्कलन गठित किया गया है। उक्त प्राक्कलन के अनुसार ही मार्ग निर्माण के समय उक्त कार्य भी कराये जायेंगे।


कनिष्ठ अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


सहायक अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


अधिशाली अभियन्ता,
नि०ख०, लो०नि०वि०
अस्कोट


प्रपत्र-41


NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

विकास खण्ड का नाम :- कनालीछीना

मक डम्पिंग प्लान/प्रमाण पत्र

प्रमाणित किया जाता है जनपद पिथौरागढ़ में विकास खण्ड कनालीछीना के अन्तर्गत जनपद पिथौरागढ़ में छड़नदेव नवाली मोटर मार्ग से रुनडा तक मोटर मार्ग का नवनिर्माण लम्बाई 2.00 किमी० के निर्माण से उत्पादित मलबे को उचित प्रक्रियानुसार सुरक्षित स्थान पर डम्प किया जायेगा। मलबा कहीं भी वृक्ष आच्छादित क्षेत्र, जल श्रोतों में नहीं डाला जायेगा।


कनिष्ठा अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट


सहायक अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट


अधिसासी अभियन्ता,
नि०ख०, लो०नि०वि० अस्कोट

ANALYSIS OF RATE


NAME OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO RUNRA M/R

Block 53 Kanalichhina (PITHORAGARH)

Effective date 01/05/2019

S N		Item Description		Unit
1	Mis- 1-2	Excavation in foundation in all kinds of soil and rocks etc. including all lead and lift as per specification and also including all labour T&P etc. required for proper completion of work	370.30	CuM
2	Mis- 1-7-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 10 gauge BWG GI Nos. 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 U.K Specification)	1641.50	CuM
3	Mord 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	6.00	Tonne. Km
4	mord 1-1-2	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	48.50	Cum


J.E. / A.E.


A.E.


अविशाली अभियन्ता
निर्माण खण्ड ले००नि०वि०
अस्कोट (पिथौरागढ़)

DETAIL OF MESURMENT (CIVIL LAND)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDV NAWALI M/R TO RUNRA M/R

- 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.

Sl No.	Location of wirecrate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	1	38.00	1.50	0.50	28.50	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
2	KM 1 (HM 2-4) on this alingment	1	x	1	78.00	1.50	0.50	58.50	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
3	KM 2 (HM 6-8) on this alingment	1	x	1	33.00	1.50	0.50	24.75	Cum	
		1	x	2	15.00	1.50	0.50	22.50	Cum	
							TOTAL	179.25	Cum	

- 2 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 stonoboulders weighing not less than 25 kg each. (As per PWD Uttarakhand Specification)

Sl No.	Location of wire crate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	1	38.00	1.50	4.00	228.00	Cum	
		2	x	0.5	15.00	1.50	4.00	90.00	Cum	
2	KM 1 (HM 2-4) on this alingment	1	x	1	78.00	1.50	3.00	351.00	Cum	
		2	x	0.5	15.00	1.50	3.00	67.50	Cum	
3	KM 2 (HM 6-8) on this alingment	1	x	1	33.00	1.50	4.00	198.00	Cum	
		2	x	0.5	15.00	1.50	4.00	90.00	Cum	
							GRAND TOTAL	1,024.50	Cum	

Q3
BAE

[Handwritten signature]

अधियासी अभियन्ता
निर्माण खण्ड लोडिंग वि०
अस्कोट (पिथौरगढ़)

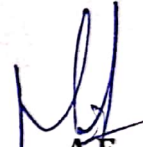
5


Bill of Quantity (CIVIL LAND))

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO
RUNRA M/R

Sl No	Name of Item	QTY	Unit	Rate	Per	Amount
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.	179.25	Cum	370.30	Cum	66376.28
2	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 stonoboulders weighing not less than 25 kg each. (As per PWD Uttarakhand Specification)	1024.50	Cum	1641.50	Cum	1681716.75
					Total	1748093.03

Q2
BAS


A.E.


अधियासी अधिवक्ता
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरागढ़)

DETAIL OF MESURMENT (NAP LAND)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO RUNRA M/R

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.										
S N.	Location of wirecrate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	KM 2 (HM 0-2) on this alingment	1	x	1	68.00	1.50	0.50	51.00	Cum	
		2	x	1	15.00	1.50	0.50	22.50	Cum	
2	KM 2 (HM 0-2) on this alingment	1	x	1	48.00	1.50	0.50	36.00	Cum	
		2	x	1	15.00	1.50	0.50	22.50	Cum	
							TOTAL	132.00	Cum	
2 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 stonenboulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification)										
S N	Location of wire crate	No s.			Length (in m)	Breadth (in m)	Depth / Height (in m)	QTY	Unit	REMARK
1	KM 2 (HM 0-2) on this alingment	1	x	1	68.00	1.50	4.50	459.00	Cum	
		2	x	0.5	15.00	1.50	4.50	101.25	Cum	
2	KM 2 (HM 0-2) on this alingment	1	x	1	48.00	1.50	4.00	288.00	Cum	
		2	x	0.5	15.00	1.50	4.00	90.00	Cum	
							GRAND TOTAL	938.25	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 = 6,300.00 X 1.6 10,080.00 Tonne										
Average Distance of Dumping Yard = 0.85 Km										
Thus material to be disposed		10,080.00			X		0.85 =		8,568.00 per Tonne.Km	
4 Loading of Earth, Sand, Stone chips,Moorum, Manure, Flyash by manual means including a lead upto 30 m										
= 6,300.00 Cum										

AAE

असिस्टांट अधीक्षक
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरागढ़)

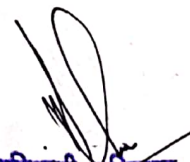
Bill of Quantity (NAP LAND))

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

Sl No	Name of Item	QTY	Unit	Rate	Per	Amount
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.	132.00	Cum	370.30	Cum	48879.60
2	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)	938.25	Cum	1641.50	Cum	1540137.38
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	8568.00	Tonne.km	6.00	Tonne.km	51408.00
4	Loading of Earth, Sand, Stone chips, Moorum, Manure, Flyash by manual means including a lead upto 30 m	6300.00	Cum	48.50	Cum	305550.00
					Total	1945974.98


J.E. RAJ


A.E.


अधियासी अभियन्ता
निर्माण खण्ड लो० नि० वि०
अस्कोट (पिपौरागढ़)

MUCK DISPOSAL PLAN

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

Summary of Result

1	The quantity of material received from hill side cutting (Sheet attached on page no- 9)	27720.00	Cum
2	The quantity of material used in various items (Sheet attached on page no- 9)	21420.00	Cum
3	Total numbers of dumping yards needed for the dumping of muck (i) In civil land (ii) In nap land Total	3 2 5	Nos Nos Nos
4	Carrying capacity of dumping yards (i) In civil land (ii) In nap land Total	3590.63 3178.13 6768.75	Cum Cum Cum
5	Land ownership reports(Nap Land) (Sheet attached on page no- 11)		
6	Total Amount for Construction of dumping Yards (i) In civil land (ii) In nap land	17.48 19.46	Lacs Lacs

J.B. 7/8/85

A.E

अधिकासी अधिवक्ता
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरगढ़)

9

ITEM OF WORK - DUMPING YARD WORKS OF CHHARENDANAWALI M/R TO RUNRA M/R

LENGTH

2.00 K.M

Sl No.	Item of work	Nos.			Length (in m)	Breadth (in m)	Depth / Height (in m)	Content	Unit
1	Muck Obtained from H.S Cutting	1	X	0.5	2,000.00	6.00	3.30	19,800.00	cum
	swelling Factor @ 40%							7,920.00	cum
							TOTAL	27,720.00	cum
2	Muck used in Construction Work								
	1) Retaining Walls	1	X	1	900.00	(1.93+0.60)/2	4.00	4,554.00	cum
	2) Breast Walls	1	X	1	800.00	(0.90+0.60)/2	1.80	1,080.00	cum
	3) Construction of scupper	1	X	8	74.18	-	-	593.44	cum
	4) Filling wirecrates for dumping yard							1,962.75	cum
	swelling Factor @ 40 %						Total solid	8,190.19	cum
								3,276.08	cum
							TOTAL	11,466.27	cum
	5) HP Stone Filling	1	X	0.5	900.00	1.00	4.00	1,800.00	cum
	6) Solling Work	1	X	1	2000.00	4.05	0.12	972.00	cum
	7) Making Subgrade	1	X	1	2000.00	6.00	(0.00+0.30)/2	1,800.00	cum
	8) Loss during construction (By excavator & tipper)	1	X	0.5	2000.00	2.25	1.16	2,610.00	cum
							Total	18,648.27	cum
	9) Natural disposal due to Rain and steep slope	-			-	-	10%.	2,772.00	cum
	Total qty resued or consumed							21,420.27	cum
								say 21,420.00	cum
	Balance qty for disposal Qty in cum							6,300.00	cum

2
ARE

अध्यासी अभियन्ता
निर्माण खण्ड लो०नि०वि०
अस्कोट (पिथौरागढ़)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDAY NAWALI M/R TO RUNRA M/R

NAME OF BLOCK- KANALICHHINA (PITHORAGRAH)

MUCK DUMPING

S.N	Location of Muck Dumping Zone			Type of land	No.	Catchment area of Muck dumping Zone		Area(Sqm)	Area(Hect)
	X-section's	Latitude	Longitude			Length (M)	Width (M)		
1	Km 14 (HM 4-6) on chharendav nawali m/R	29° 40'19.10"	80° 21'42.44"	Civil		35.00	15.00	525.00	0.053
2	KM 1 (HM 2-4) on this alingment	29° 40'20.40"	80° 22'8.16"	Civil		75.00	15.00	1125.00	0.113
3	KM 2 (HM 0-2) on this alingment	29° 40'7.65"	80° 22'30.20"	Nap		60.00	15.00	900.00	0.090
4	KM 2 (HM 0-2) on this alingment	29° 40'3.48"	80° 22'32.64"	Nap		45.00	15.00	675.00	0.068
5	KM 2 (HM 6-8) on this alingment	29° 39'48.77"	80° 22'44.29"	Civil		30.00	15.00	450.00	0.045

Signature

अधियासी अनियन्ता
निर्माण सण्ड हो: 0नि0वि0
अस्कोट (पिथौरागढ़)

②

Sl.No	Location of dumping yard	Size of dumping yard								Capacity of dumping yard(Cum)	Type of land	Remark
1	Km 14 (HM 4-6) on chharendav nawali m/R	1	x	0.5	35.00	15.00	4.00	+	4.50	1115.63	Civil land	
								2				
2	KM 1 (HM 2-4) on this alingment	1	x	0.5	75.00	15.00	3.00	+	3.00	1687.50	Civil land	
								2				
3	KM 2 (HM 0-2) on this alingment	1	x	0.5	60.00	15.00	4.50	+	4.00	1912.50	Nap land	
								2				
4	KM 2 (HM 0-2) on this alingment	1	x	0.5	45.00	15.00	4.00	+	3.50	1265.63	Nap land	
								2				
5	KM 2 (HM 6-8) on this alingment	1	x	0.5	30.00	15.00	3.00	+	4.00	787.50	Civil land	
								2				
									Total	6768.75		

	Total Debris	Reused material for road construction+Natural disposal due to Rain	Total quantity of muck to be disposed	Total capacity of dumping yards	Balance Debris
Sl. No.					
1	27,720.00	21,420.00	6,300.00	6,768.75	Nil

ॐ



अधियासी अभियन्ता
निर्माण स्रण्ड लो०नि०दि०
अस्कोट (पिथौरगढ)

NAME OF WORK - DUMPING YARD WORKS OF CHHARENDIV NAWALI M/R TO RUNRA M/R

NAME OF BLOCK- KANALICHHINA (PITHORAGRAH)

Details of Muck disposal Yards with land Owner Detail

S.N O.	Chainage	Name of Land owner & Village	Land in Hect	land in Sqm.	No.	Land area being used for Dumping Yards (Sqm)	Latitude	Longitude
1	KM 2 (HM 0-2) on this alignment		0.090	900.00		900.00	29° 40' 7.65"	80° 22' 30.20"
2	KM 2 (HM 0-2) on this alignment		0.068	675.00		675.00	29° 40' 3.48"	80° 22' 32.64"





अधिकासी अग्रियन्ता
निर्माण खण्ड लो: 0 नि: 0 वि: 0
अस्कोट (पिथौरागढ़)

12

Project Title: Chhadandev Nwaali to Runra Motor Road

File No. : FP/UK/ROAD/10878/2015

Certificate for Applicability of Wildlife Clearance

It is certified that construction of proposed **Chhadandev Nwaali to Runra Motor Road** in Kanalichhina Tehsil of District Pithoragarh is an approved activity to provide connectivity to 66 families of Gaajri, Runra Villages of this area. The details related to the motor road as mentioned in Divisional Forest Officer, Pithoragarh's letter no.777/17-1 dated 29/08/2020 are as follows:

- 1) The above-mentioned motor road lies in Kanaalichhina Tehsil of Pithoragarh and lies at an aerial distance of 9.50 km from Askot Wildlife Sanctuary as certified by CCF, ITGC, Uttarakhand.
- 2) The proposed alignment of the implementing agency has provision of various types of culverts which will be beneficial for safe and unhindered movement of wildlife.
- 3) Since the area in question does not have elephant population, there is no need of construction of over or underpass.
- 4) As the construction site/area has low density of forests, the line of sight for traffic would be clear.
- 5) It is unlikely for any traffic related stress to the wildlife given the fact that the area in question has low density of wildlife and low density of traffic as well.

The proposed area for construction of motor road lies in the Civil soyam land, which lies within 9.50 km aerial distance of Askote Wildlife Sanctuary, has got administrative approval from Govt. of Uttarakhand vide letter no. 7215/III/15-56 प्रतोआ/2012 Dated 31 December 2016. As the proposed construction of motor road has been accorded administrative approval by the Uttarakhand State Govt., it does qualify to be an ecologically sustainable activity under Sections 38(O)(1)(b) and 38(O)(1)(g) of the Wildlife (Protection) Act, 1972 as amended in 2006 and neither it is a scheduled activity requiring Environmental Clearance (EC) under EIA Notification 2006. So, the Proposal does not require any prior clearance from the Standing Committee of the National Board of Wildlife as per the Guidelines dated 16th July 2020 issued by Wildlife Division, Ministry of Environment, Forest and Climate Change, Government of India.

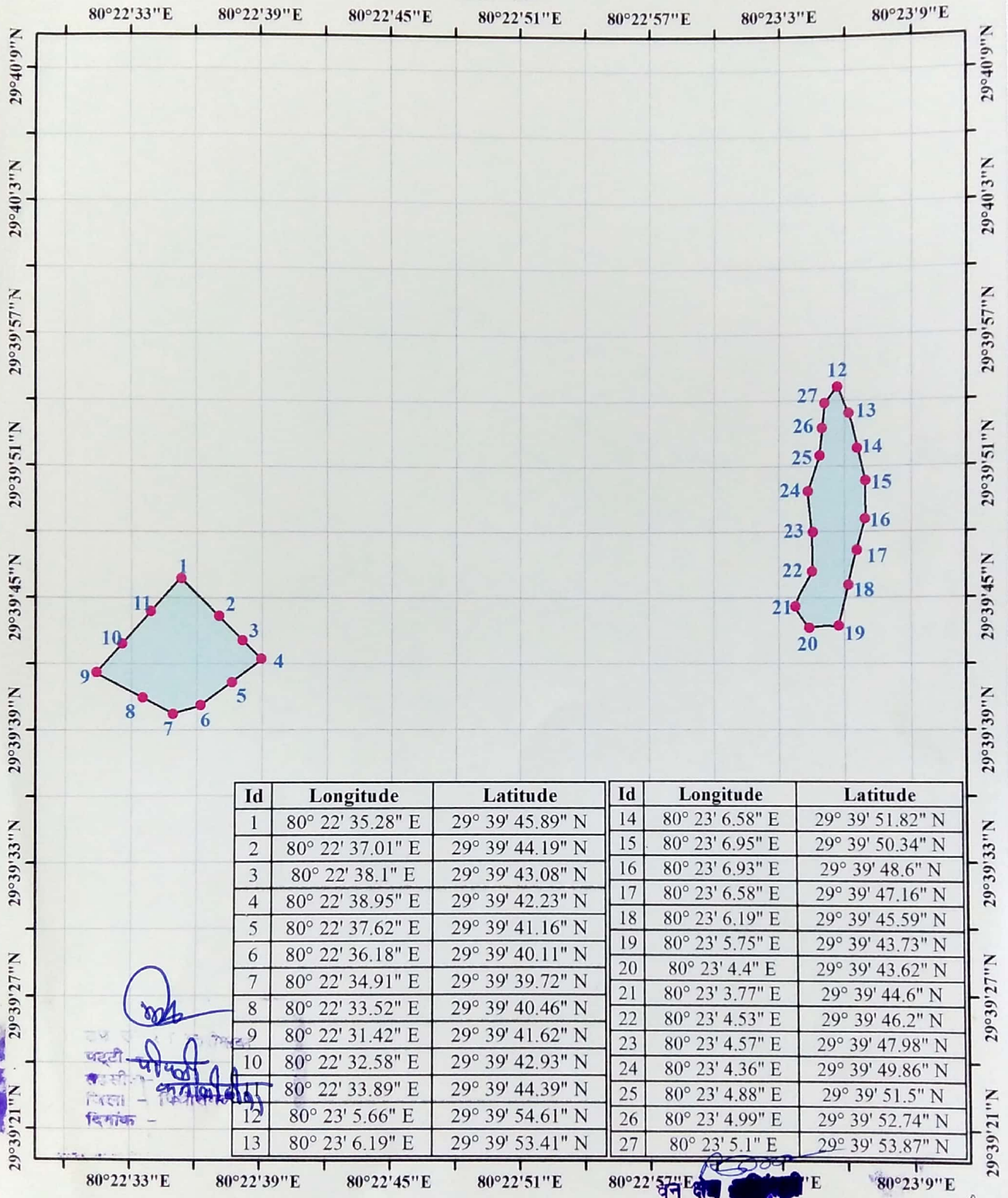
Thus it is recommended that given the above facts about forest and wildlife of the proposed site, the proposed construction work can be taken up.


Chief Wildlife Warden
Uttarakhand, Dehradun
Chief Wildlife Warden,

जियोरेफेरेंस मैप :-जनपद पिथौरागढ़ में छडनदेव नवाली से रून्डा मोटर मार्ग के नवनिर्माण कार्य हेतु वृक्षारोपण स्थल (क्षेत्रफल 3.69 है०)



0 0.0350.07 0.14 0.21 0.28 Km
Scale-1:7,000



Id	Longitude	Latitude	Id	Longitude	Latitude
1	80° 22' 35.28" E	29° 39' 45.89" N	14	80° 23' 6.58" E	29° 39' 51.82" N
2	80° 22' 37.01" E	29° 39' 44.19" N	15	80° 23' 6.95" E	29° 39' 50.34" N
3	80° 22' 38.1" E	29° 39' 43.08" N	16	80° 23' 6.93" E	29° 39' 48.6" N
4	80° 22' 38.95" E	29° 39' 42.23" N	17	80° 23' 6.58" E	29° 39' 47.16" N
5	80° 22' 37.62" E	29° 39' 41.16" N	18	80° 23' 6.19" E	29° 39' 45.59" N
6	80° 22' 36.18" E	29° 39' 40.11" N	19	80° 23' 5.75" E	29° 39' 43.73" N
7	80° 22' 34.91" E	29° 39' 39.72" N	20	80° 23' 4.4" E	29° 39' 43.62" N
8	80° 22' 33.52" E	29° 39' 40.46" N	21	80° 23' 3.77" E	29° 39' 44.6" N
9	80° 22' 31.42" E	29° 39' 41.62" N	22	80° 23' 4.53" E	29° 39' 46.2" N
10	80° 22' 32.58" E	29° 39' 42.93" N	23	80° 23' 4.57" E	29° 39' 47.98" N
11	80° 22' 33.89" E	29° 39' 44.39" N	24	80° 23' 4.36" E	29° 39' 49.86" N
12	80° 23' 5.66" E	29° 39' 54.61" N	25	80° 23' 4.88" E	29° 39' 51.5" N
13	80° 23' 6.19" E	29° 39' 53.41" N	26	80° 23' 4.99" E	29° 39' 52.74" N
			27	80° 23' 5.1" E	29° 39' 53.87" N

Legend

- GPS Coordinates
- CA Land

अध्यक्ष अभियन्ता ()
निर्माण खण्ड ले० नि० ०३
अस्कोट (पिथौरागढ़)
अस्कोट नि० ०३
निर्माण खण्ड ले० नि० ०३
अस्कोट नि० ०३
Prepared by: ITGC, PCCF Office, Dehradun

जियोरेफरेंस मैप :- जनपद पिथौरागढ़ में छलनदेव नवाली से रुनडा मोटर मार्ग के नवनिर्माण कार्य हेतु (लम्बाई-2.00 कि०मी०)

