

# Wildlife Management Plan And Soil Moisture Conservation Plan

**FOR**

*Construction of Km 5 of Simli chulokot to Swarka  
Band to Baniyas The approved road via harijan basti  
Revenue Village Kalakot Motor Road Under  
Badrinath Forest Division Gopeshwar*

**Total area of the project – 0.595hac**

**Total Project Cost- 320.00 Lakh.**

**Amount of the WLMP - Rs. 6.40 Lakh.**

**Amount of the SMC - Rs. 1.60 Lakh.**

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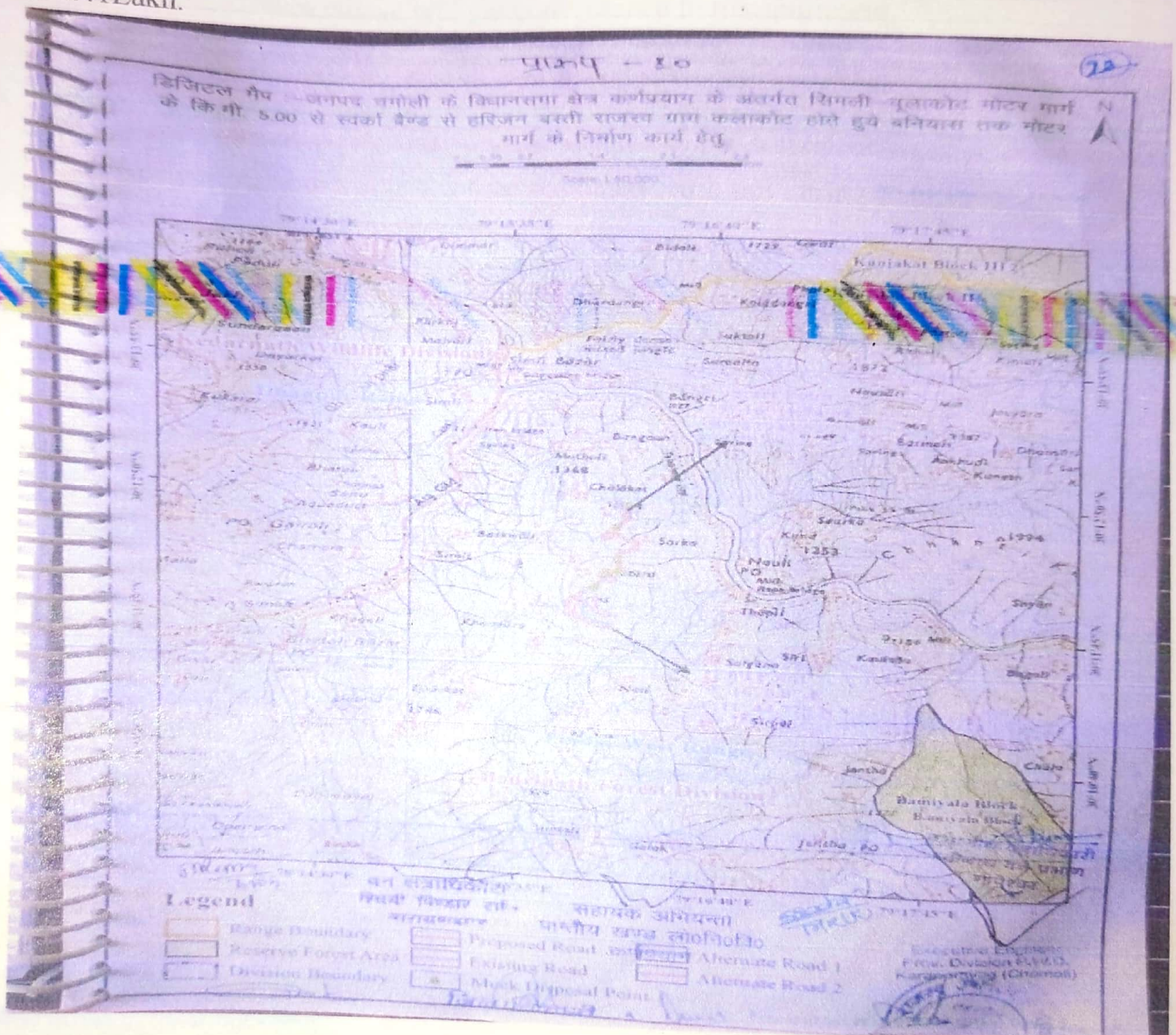


## SECTION -I: INTRODUCTION

### 1- PROJECT BACKGROUND :-

The proposed road is Simli chulakot to Swarka Band to Baniyas .The approved road via harijan basti Revenue Village Kalakot Motor Road under Karanprayag Block of Chamoli District. The total distance of the road is length 3.35km. Administrative and financial approval of this project has been received vide Govt. letter no 1843/III (2)/16-05(MLA)/2015, dated 02-06-2016 amounting to Rs 68.00 lakh only. .

Approx. cost of project 155.41Lakh.





**1. 2 – JUSTIFICATION & BENEFIT OF THE PROJECT :-** Presently the village Swarka, Kalakot and the Surrounding villagers have to travel a long way through bridle road to go to Simli-chulakot Motor Road. All the Villagers will be interconnected of this Motor Road and which will facilitate the villagers to carry their crop. their daily needs as there is no road connecting the village. Due to the non-existent of any road connectivity the lives of the villagers are in constant danger as there are no medical services which could be provided to them even in cases of emergency such as maternity.

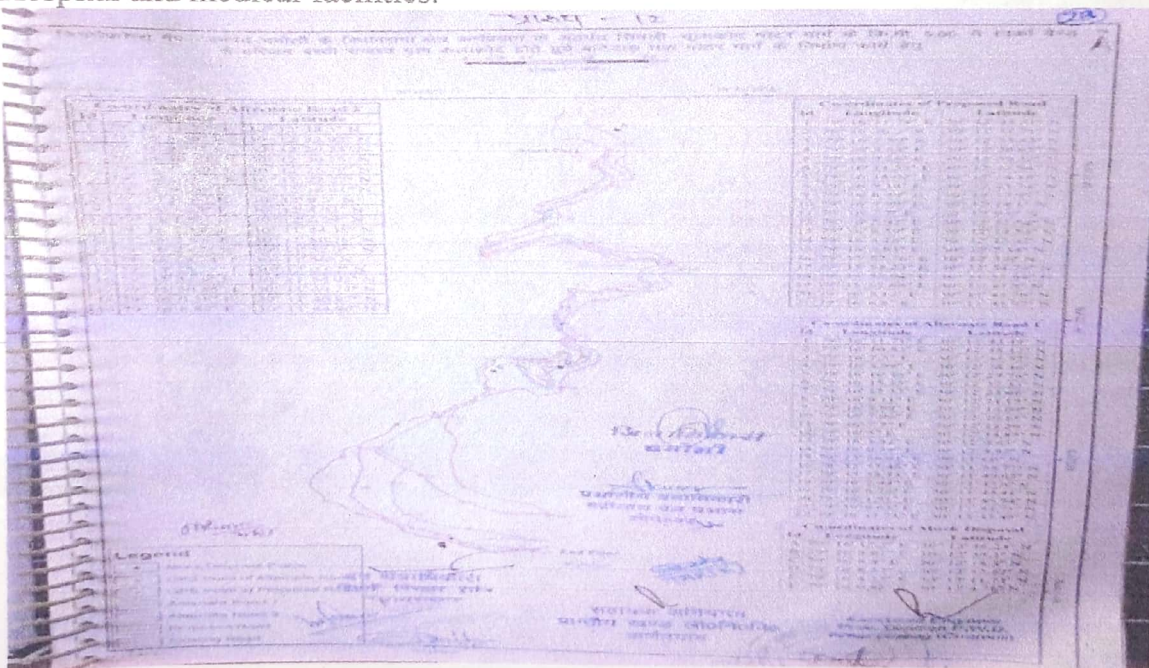
Further, due to non-existent of the road connectivity the area remains backward in all respects, the main occupation of the villagers residing in this village is animal husbandry and agriculture.

**Benefit from the project: -**

With the construction of this road the population of 202 villagers of Swarka, chulakot, Ratuda, kalakot village will get convenience in transportation.

Due to the construction of road following benefits are provided to local people and Government too.

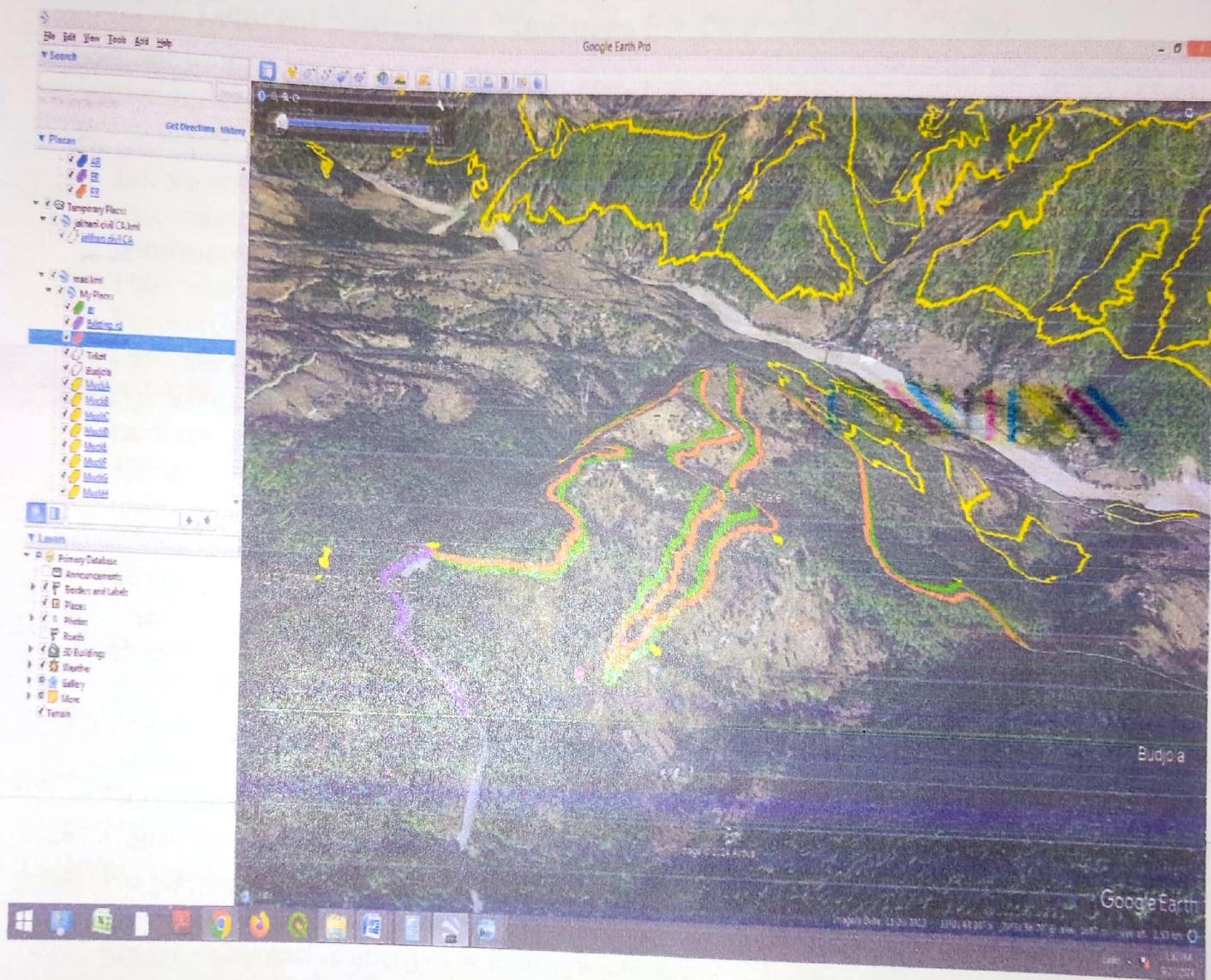
- Enhance the social and economical development of this area.
- Migration of people from the village shall be minimized .
- Due to easily accessibility forest can be protected From fire during summer season to save vegetation plants and animals.
- The villages people will travel large distance for their Jobs.
- Local People will find jobs near their village.
- More women will get employment and will improve their economic situation.
- Educational development in this area.
- Hospital and medical facilities.





### 1.3:- DETAILS OF THE PROPOSED MOTOR ROAD :-

The Construction of a Motor Road Swarka Band to Baniyas The approved road via harijan basti Revenue Village Kalakot Motor Road under Karanprayag Block of Chamoli District. the motor road is length 3.350 km in Vanpanchayat Forest land and Civil Land width of 7.00 and Nap land under width of motor road is 9.00 or total area of project is 2.845 hac for road construction in Vanpanchayat Forest land 0.245ha, Civil Land 0.350ha and 2.25ha Naap Land. According to the UA apart from this land other alternative land is available but the project can be constructed only on the selected land. The total number of trees affected by this motor road is 93 .





## **SECTION-II: Proposed Wildlife Mitigation Measures**

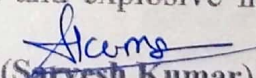
### **Likely Impact of the Project on Protected Area (PA)**

As the proposed forest land for diversion is not situated in Protected Forest of Badrinath Forest Division and proposed land is Vanpanchayat forest land, Civil forest land and Naap Land of Kalakot Village. Due to the areal distance of the above proposed motor road from Nanda Devi National Park aerial distance is 36.8 km. The overall impact of the Vanpanchayat Forest land and Civil forest land is assessed remarkable which can be addressed through proper mitigation measures as recommended below.

### **General Mitigation Measures for Protection of Wildlife**

In addition to the aforementioned specific measures for animals and birds, the following mitigation measures shall be adopted by the User Agency during execution of the project for protection of forest and wildlife:

- Before start of work awareness campaign will be taken up by the User Agency in association with Forest Dept. To create maximum awareness among the construction workers regarding safeguard of forest and wildlife.
- User agency shall comply with all conditions stipulated in forest clearance under Forest (Conservation) Act 1980.
- Land shall not be used for any other purpose other than specified in the proposal.
- All Rules, Acts and regulation of the concerned department for establishing and running of the project shall be complied by user agency.
- The instruction/orders passed by the State Government/Central Government and the directions passed by Hon'ble Court/Supreme Court/ NGT and directions/ guidelines issued by the CWLW of Uttarakhand from time to time regarding such project shall be complied with.
- User agency will ensure that the project personal engaged in the project shall observe the provisions of the Indian Forest Act 1927, Wildlife (Protection) Act 1972 & Rules made thereafter.
- Tree felling will be minimized along the line corridor and only those trees which are unavoidable for road construction will be felled under the supervision of Forest Department.
- Construction waste materials will not be thrown inside the Forest Area.
- No labour camp shall be established in the forest area or other sensitive areas.
- Use of fuel wood for cooking purpose will not be allowed. The user agency will manage alternative energy for their labourers.
- There will be no permission to carry ammunition and explosive inside the forest area.

  
(Sarvesh Kumar)

Divisional Forest Officer  
Badrinath Forest Division.





### Proposed Mitigation Measures:

As per the Guide line dated 16.01.2023, the user agency shall pay 2% of project cost for wildlife management and 0.50% of project cost for **Soil and Water** conservation works. As the project cost of this proposed project is only 32.00 lakh, which 2% of project cost for wildlife management come only Rs. 6.40 lakh and 0.50% Soil Water Conservation works Rs. 1.60 lakh. Hence, following Specific and General Mitigation measures shall be adopted by User Agency during execution of the project for protection of forest and wildlife.

### WILDLIFE MITIGATION PLAN

To mitigate the likely impact of project on wildlife, following Wildlife Mitigation Plan are proposed-

क्रम सं.	प्रस्तावित कार्य का विवरण	धनराशि (रुपये में)	अभ्युक्ति
1.	Afforestation & Enrichment Plantation	251218.00	
2-	Kala Bansa, Gajar Ghas, Lantana Elimination	181447.41	Copy of estimate attached below.
3-	Awareness Promotion	100000.00	-
4-	Binocular	108000.00	
	<b>Total</b>	<b>640665.41</b>	
	<b>Say in lacs</b>	<b>6.40</b>	

### Soil and Water Conservation Plan:-

क्रम सं.	प्रस्तावित कार्य का विवरण	धनराशि (रुपये में)	अभ्युक्ति
Soil Moisture Conservation Plan (SMC Work) 0.5%			
1	Construction of Chal Khal	89149.30	Copy of estimate attached below.
2-	Construction of Wire Crate	71713.27	
	<b>Total</b>	<b>160862.57</b>	
	<b>Say in Lacs</b>	<b>1.60</b>	

प्रमुख वन संरक्षक (वन्य जीव)  
मुख्य वन्य जीव प्रतिपालक  
उत्तराखण्ड

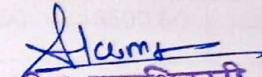
(Sarvesh Kumar)  
Divisional Forest Officer,  
Badrinath Forest Division, Gopeshwar

## Summary Of Estimated Cost

S.No.	ITEM	AMOUNT
A	Wildlife Management Plan (2.00 %)	6.40 ✓
B	Soil Moisture Conservation Plan (SMC Work) (0.50 %)	1.60 ✓
	Total	8.000 ✓

Checked For Rs 8.00 Lacs

D/M  
Forest

  
प्रभाषीय वनाधिकारी  
बद्रीनाथ वन प्रभाग,  
गोपेश्वरा



# Summary Of Wildlife Management Plan

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
A	Wildlife Management Plan (2.00 %)					
1	Afforestation and Enrichment plantation	ha	Departmental	1.00	251218.00	251218.00
2	Kala Bansa, Gajar Ghas, Lantana elimination	ha	Departmental	12.25	Annexure	181447.41
3	Awareness Promotion		Ls	1.00	100000.00	100000.00
4	Binocular	no	Ls	8.00	13500.00	108000.00
Total						640665.41
say in lacs						6.400

Checked For Rs 8.40 lacs  
 D.M. n  
 forest

प्रभाकर वनाधिकारी  
 बंदीनाथ वन प्रभाग,  
 गोपेश्वरा



# वन्यजीवों के विकास का प्रबन्धन योजना

बद्रीनाथ वन प्रभाग, गोपेश्वर चमोली।

क्र०स०	कार्य का विवरण	मात्रा	इकाई	दर	धनराशि (रु०)
0	1	2	3	4	5
A	लेटाना/कालाबांस/गाजर घास झाड़ी				
प्रथम वर्ष					
1	लेटाना/कालाबांस/गाजर घास झाड़ी को जड़ सहित उखाड़ना।	12.25	है०	9341.00	114427.25
2	कालाबांसा को नष्ट करना/गद्दे में दबाकर अथवा जलाकर	12.25	है०	3132.00	38367.00
द्वितीय वर्ष					
1	लेटाना/कालाबांस/गाजर घास झाड़ी को जड़ सहित उखाड़ना। (33 प्रतिशत)	4.04	है०	3082.00	12458.99
2	कालाबांसा को नष्ट करना/गद्दे में दबाकर अथवा जलाकर	4.04	है०	1031.00	4167.82
तृतीय वर्ष					
1	लेटाना/कालाबांस/गाजर घास झाड़ी को जड़ सहित उखाड़ना। (10 प्रतिशत)	1.23	है०	934.00	1144.15
2	कालाबांसा को नष्ट करना/गद्दे में दबाकर अथवा जलाकर	1.23	है०	312.00	382.20
total (A)					170947.41
B	नमक आपूर्ति करना				
1	वन्यजीवों के कैल्शियम आपूर्ति हेतु नमक क्रय करना।	350.00	किग्रा०	30.00	10500.00
total (B)					10500.00
Total (A+B)					181447.41

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प्रभागीय वनाधिकारी  
बद्रीनाथ वन प्रभाग,  
गोपेश्वर।



## Summary Of Soil Moisture Conservation Plan

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
B	Soil Moisture Conservation Plan (SMC Work) (0.50 %)					
1	Construction of Chal khal	Cum	Pwd SOR	5.00	Annexure	89149.30
2	Construction of Wire crate	Cum	Pwd SOR	3.00	Annexure	71713.27
Total						160862.57
say in lacs						1.600

Checked For Rs

*1.60 lacs*  
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D/M  
Forest

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बद्रीनाथ वन प्रभाग,  
गोपेश्वरा



Detail of Measurement

S. No.	Particulars of Item	Nos.	Length (m)	Width (m)	Height (m)	Quantity	Unit		
1	Excavation for Structures Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth								
		5	x	1	5.00	4.00	1.00	100.00	cum
	Drain	5	x	2	8.00	0.30	0.30	7.20	cum
							Total	107.20	cum
2	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification								
		5	x	1	6.20	0.60	0.25	4.65	cum
		5	x	2	4.00	0.60	0.25	6.00	cum
							Total	10.65	cum

*Dr. V. C. D. N. S.*

*Suma*  
प्रभागीय वनाधिकारी  
बद्रीनाथ वन प्रभाग,  
गोपेश्वरा



Name of work :- चाल खाल निर्माण कार्य।

# Bill of Qty.

ITEM		block - naayanbagar				
S. No	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
1	Excavation for Structures Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth	Cum	11-1-1-1 MORD	107.20	461.30	49451.36
2	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification	Cum	1-3 MISS	10.65	2450.60	26098.89
		Total				75550.25
4	Add 18% GST					13599.05
		Total				89149.30

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प्रभागीय वनाधिकारी  
बद्रीनाथ वन प्रभाग,  
गोपेश्वरा



Name of work :-

Detail of Measurement

S. No.	Particulars of Item	Nos.	Length (m)	Width (m)	Height (m)	Quantity	Unit		
1	Excavation for Structures Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil upto 3 m depth								
	foundation	3	x	1	2.50	1.50	0.50	5.63	cum
							Total	5.63	cum
2	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification								
	foundation	3	x	1	2.50	1.50	0.50	5.63	cum
	aprin	3	x	1	2.50	0.90	0.30	2.03	cum
							Total	7.66	cum
3	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) GI wire 8 gauge BWG								
	superstructure	3	x	1	3.50	1.20	1.10	13.86	cum
		3	x	2	1.00	1.20	0.45	3.24	cum
							Total	17.10	cum

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बद्रीनाथ वन प्रभाग,  
गोपेश्वरा



Name of work :- वायर क्रेट चैकडैम निर्माण

**Bill of Qty.**

block - naayanbagar

S. No	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
1	Excavation for Structures Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material. Ordinary soil Upto 3 m depth	Cum	11-1-1-1 mord	5.63	461.30	2597.12
2	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification	Cum	1-3 misc	7.66	2450.60	18771.60
3	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications) GI wire 8 gauge BWG	Cum	1-7-2 misc	17.10	2304.40	39405.24
				Total		60773.96
4	Add 18% GST					10939.31
				Total		71713.27

*R.H.S. D.M.*

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प्रभागीय वनाधिकारी  
बद्रीनाथ वन प्रभाग,  
गोपेश्वरा