

Wildlife Management Plan and Soil Moisture Conservation Plan

FOR

***Construction of Motor Road Simli to Nakholi Motor
Road Badrinath Forest Division Gopeshwar***

Total area of the project – Rs. 1.632hac

Total Project Cost- Rs. 38.40 Lakh.

Amount of the WLMP - Rs. 0.768 Lakh.

Amount of the SMC - Rs. 0.192 Lakh.

Index

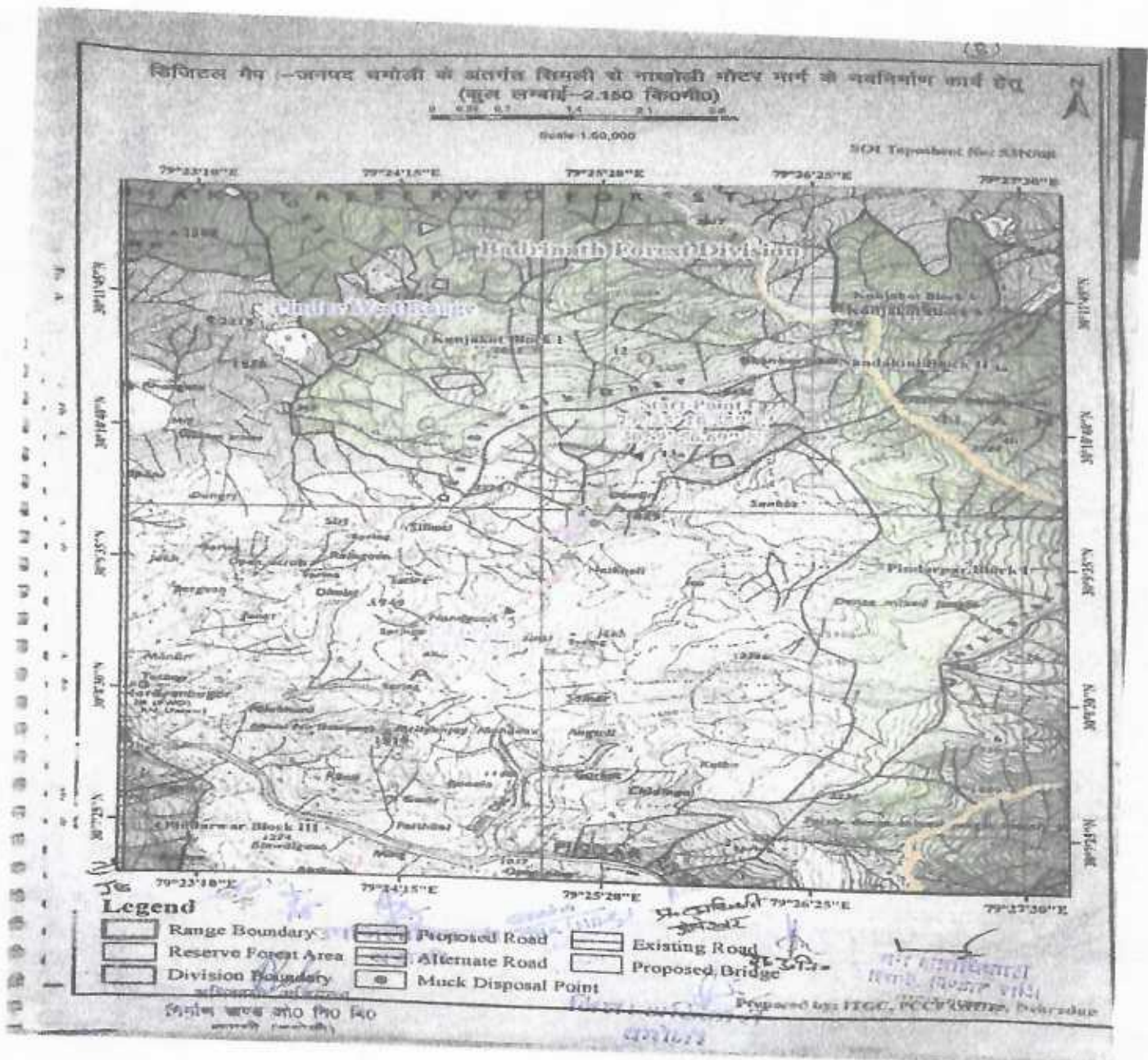
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SECTION -I: INTRODUCTION

1- PROJECT BACKGROUND :-

The proposed road is Construction of Construction of Simli to Nakholi Motor Road. The total distance of the road is length 2.150km. Administrative and financial approval of this project has been received vide G.O. letter no 789/111(2)/18-05(MLA)/2017 dated 23-02-20218. amounting to Rs 38.40 lakh only. Estimate cost of the Project 38.40 lacs.



1.2 – JUSTIFICATION & BENEFIT OF THE PROJECT :- The proposed motor road - Construction of Simli to Nakholi Motor Road District-Chamoli to meet their daily needs as there is no road connecting the village. 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.

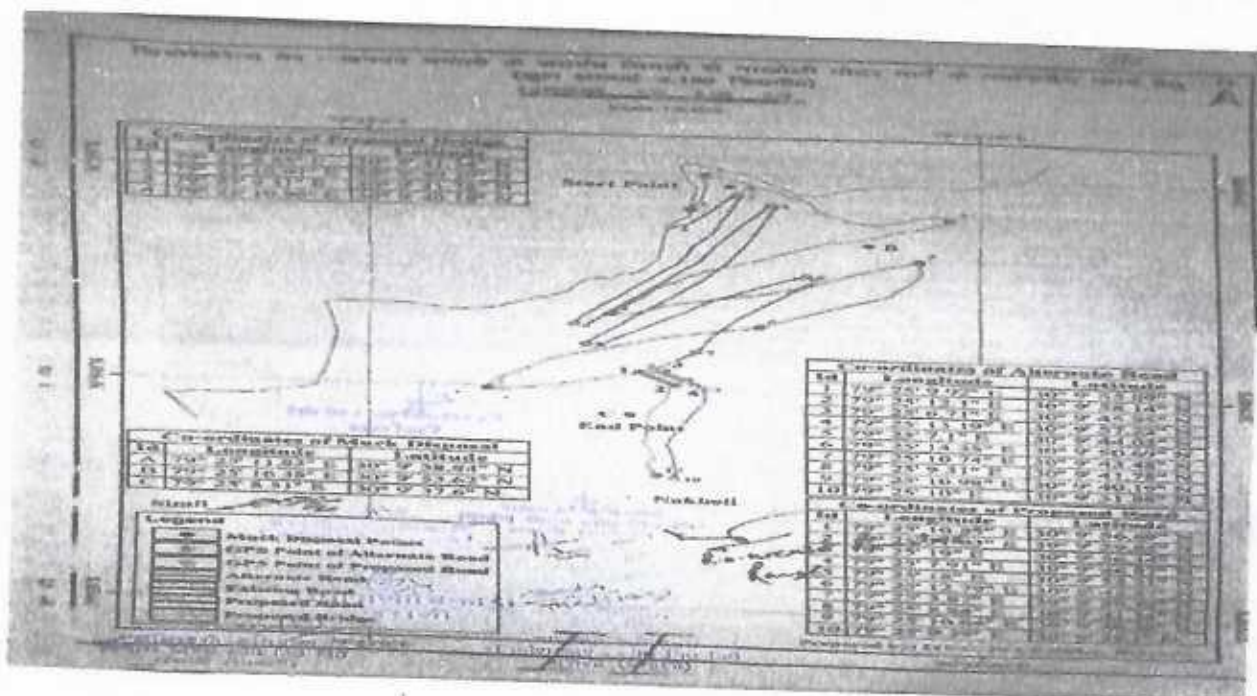
Further, due to non-existent of the road connectivity the area remains backward in all respects, the main occupation of the villagers residing in this village is animal husbandry and agriculture.

Benefit from the project: -

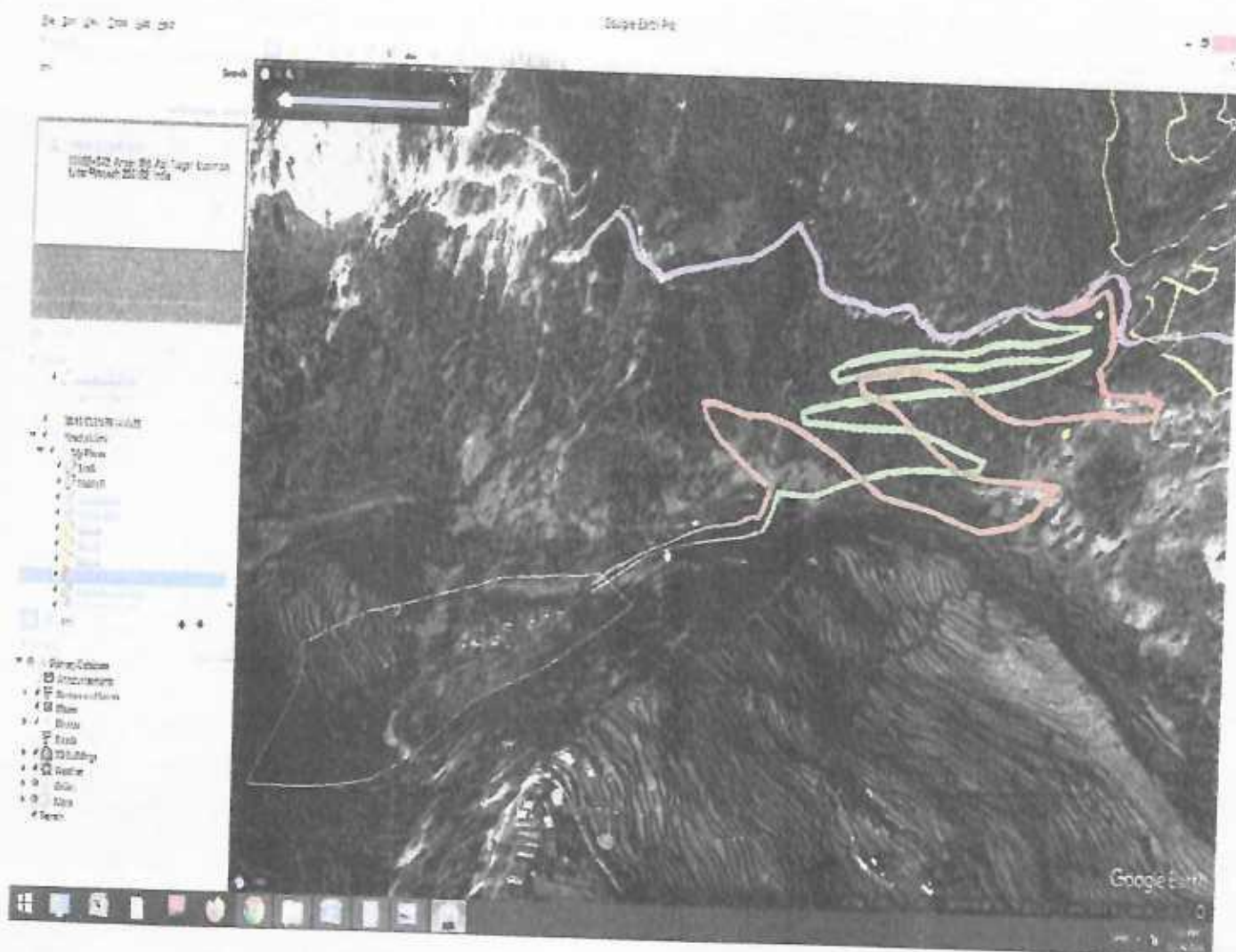
With the construction of this road the population of 1059 villagers of Nakholi village will get convenience in transportation.

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.



The Construction of The proposed motor road - Construction of Simli to Nakholi Motor Road Motor Road. Civil Land and VanPanchayat width of 7.00 and Nap land under width of motor road is 9.00mtr. or total area of project is 1.821 hac for road. construction of Civil land area 0.310 ha and Van Panchayat land area 1.322 ha and naap land area 0.189 ha. According to the UA a part 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 55 (affected tree in forest land 55 tree) .



SECTION-II: Proposed Wildlife Mitigation Measures

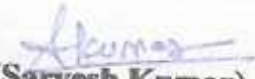
Likely Impact of the Project on Protected Area (PA)

As the proposed forest land for diversion is not situated in Protected Forest of Badrinath Forest Division and proposed land is Vanpanchayat land, Civil forest land and Naap Land of Village Simli and Nakholi. Due to the aerial distance of the above proposed motor road from Kedarnath Wildlife Sanctuary aerial distance is 30.10 km. The overall impact of the 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 38.40 lakh, which 2% of project cost for wildlife management come only Rs 0.768 lakh and 0.50% Soil Water Conservation works Rs. 0.192 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-

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
A	Wildlife Management Plan (2.00 %)					
1	Bio Fencing	km	Departmental	0.120	Annexure	60024.21
2	Strobe Light	no	MR	3.00	6200.00	18600.00
Total						78624.21
say in lacs						0.768

Soil and Water Conservation Plan:-

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
A	Soil Moisture Conservation Plan (SMC Work) (0.50 %)					
1	Construction of Chal khali	Cum	Pwd SOR	1.00	Annexure	19805.27
Total						19805.27
say in lacs						0.192

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

वन संरक्षक
पट्टियाँ वल उत्तराखण्ड
पीडी

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

Summary Of Estimated Cost

S.No.	ITEM	AMOUNT (in lacs)
A	Wildlife Management Plan (2.00 %)	0.768
B	Soil Moisture Conservation Plan (SMC Work) (0.50 %)	0.192
	Total	0.960

Checked

C. 96/1/3
D. Khan
Forest

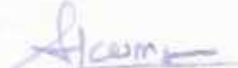
H. 10/1/3
प्रभुजीत बर्नाधिकारी
बिड़ोनायक वन प्रभाग
गोधरवर

Summary Of Wildlife Management Plan

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
A	Wildlife Management Plan (2.00 %)					
1	बारापत्ती / जंगली फलदार पौधरोपण योजना	ha	Departmental	0.00	Annexure	0.00
2	काटेदार एवं झाडीदार पौधरोपण योजना	ha	Departmental	0.00	Annexure	0.00
3	Bio Fencing	km	Departmental	0.120	Annexure	60024.21
4	Strobe Light	no	MR	3.00	6200.00	18600.00
5	ANIDERS	no	MR	0.00	25000.00	0.00
Total						78624.21
say in lacs						0.768

Rate Checked & Corrected

D. K. Jais
Forest


 जल संवर्धन विभाग
 बड़ीनाथ एवं प्रभाग
 गोपेश्वर

कार्य का नाम— मानव वन्य जीव संघर्ष रोकथम हेतु Bio Fencing (घेरबाड़) कार्य करना।

क्र०सं 0	कार्य का विवरण	मात्रा	इकाई	दर	इकाई	घनराशि (रु० में)
1	सर्वेक्षण एवं सीमांकन कार्य (1000 m x 10 = 10000 sqm or 1.00 ha)	1.00	ha	1453.96	ha	1453.96
2	लेन्टाना / गाजर घास झाड़ी कटान कार्य (1000m x 10 = 10000 sqm or 1.00 ha)	1.00	ha	8034.41	ha	8034.41
3	फैन्सिंग हेतु पौधों की आपूर्ति (शमबांस, टिमरु, हिंसालू, किलमोडा आदि) (2000 no x 3 row = 6000)	6000.00	no	39.83	no	238980.00
4	गड़्डों का रेखांकन व खुदान कार्य	6000.00	no	16.23	no	97380.00
5	गड़्डों में कीटनाशक एवं गोबर खाद डालना	6000.00	no	0.46	no	2760.00
6	गड़्डा भरान कार्य	6000.00	no	295.06	per 100	17703.60
7	रोपण कार्य	6000.00	no	590.11	per 100	35406.60
8	पौध का डुलान कार्य	6000.00	no	1474.72	per 100	88483.20
9	साईन बोर्ड एवं अन्य कार्य		ls			10000.00
कुल योग						500201.77
कुल लम्बाई 0.100 किमी० में घेरबाड़ कार्य पर व्यय		0.120	km	@	500201.77	60024.21

Rate Checked & Corrected

Forest

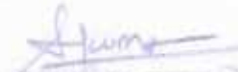
मुख्य सहायिका
बदामिया रन प्रभाग
गोधरेखर

Summary Of Soil Moisture Conservation Plan

S.No.	ITEM	UNIT	SOR / DSR	QTY	RATE	AMOUNT
A	Soil Moisture Conservation Plan (SMC Work) (0.50 %)					
1	Construction of Chal khal	Cum	Pwd SOR	1.00	Annexure	19805.27
1	Construction of wire crates	Cum	Pwd SOR	0.00	Annexure	0.00
Total						19805.27
say in lacs						0.192

Rate Checked & Corrected

For
Forest


मौखिक सहायिका
बडीनाथ रन प्रभाग
गोपेश्वर

Name of work :-

चाल खाल निर्माण कार्य।

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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								
		1	x	1	5.50	4.00	1.00	22.00	cum
		0	x	1	6.00	4.00	1.00	0.00	cum
	Drain	1	x	2	9.00	0.30	0.30	1.62	cum
		0	x	2	9.50	0.30	0.30	0.00	cum
							Total	23.62	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								
	I/w	1	x	1	6.50	0.50	0.25	0.81	cum
	s/w	1	x	2	4.00	0.50	0.25	1.00	cum
	I/w	0	x	1	7.20	0.60	0.25	0.00	cum
	s/w	0	x	2	4.00	0.60	0.25	0.00	cum
							Total	1.81	cum

Rate Checked & Corrected

17/11/2011
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Forest

Signature
भारतीय वन्याधिकारी
बड़ीनाथ वन प्रभाग
गोधर

Bill of Qty.**Name of work :-** चाल खाल निर्माण कार्य।**Year - 2024-25**

ठसदबा . छतलंदईहत

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	23.62	522.80	12348.54
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	1.81	2450.60	4435.59
			Total			16784.13
3	Add 18% GST					3021.14
			Total			19805.27

Rate Checked & Corrected

Forest

[Signature]
 ५०५१ वि.सू.नि.द.क.सं.२
 ब.सं.१०५०२ वि.सू.द.क.सं.२
 १०/११/२०२४