

प्रारूप-49

परियोजना का नाम :-

जनपद उत्तरकाशी में प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत नौगोंव-पुरोला मोटर मार्ग के कि०मी० 2 से थली गांव तक मोटर मार्ग का निर्माण।

मलबा निस्तारण योजना इस मार्गदर्शिका के परिशिष्ट में दिये माडल अनुसार तैयार की जानी है।

मलबा निस्तारण योजना संलग्न है।

अधिशाली अभियंता
सिंचाई खण्ड, पी.एम.जी.एस.वाई, पुरोला

प्रभागीय वनाधिकारी
टौंस वन प्रभाग, पुरोला

प्रभागीय वनाधिकारी
अपर यमुना वनप्रभाग बड़कोट

Ruman

and
Assistant Engineer
P.M.G.S.Y. Irrigation Division
Purola (Uttarkashi)

[Signature]
प्रभागीय वनाधिकारी
अपर यमुना वनप्रभाग बड़कोट

[Signature]

[Signature]
वन क्षेत्राधिकारी
पुरोला

[Signature]

सहसिलदार
पुरोला

[Signature]
उप प्रभागीय वनाधिकारी
टौंस वन प्रभाग,
पुरोला

[Signature]
(संदीप कुमार)
उप वन संरक्षक
टौंस वन प्रभाग, पुरोला

[Signature]
उप जिलाधिकारी
पुरोला
उत्तरकाशी

NAME OF ROAD: - CONSTRUCTION OF NAUGAON- PUROLA MOTOR ROAD KM 2.00 TO THALI
GAON MOTOR ROAD

Muck Disposal / Management Plan (IN FOREST & CIVIL LAND)

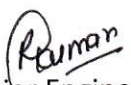
- (1) Total muck (after swell) = 188980.31 cum
- (2) Utilized quantity in project activities @ 40% = 75592.13 cum
- (3) Balance Quantity for disposal @ 60% = 113388.19 Cum
- (4) Carriage of muck from the muck generation site to the dumping site = 113388.19 Cum
- (5) Capacity of muck disposal site = 113444.10 Cum
- (6) Development of dumping site = Providing Boulders wire crates.
- (7) Cost of developing dumping site:-
 - (a) 530 Nos Boulders wire crates @ 1729/Cum = 916370.00
 - (b) Plantation of dumping site =

NOTE:-

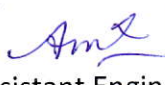
- (1) According to geological report Slate, lime stone, soil are occurring in the site.
- (2) Total muck consumed at site:-
 - (a) Muck spread over during the construction which is not collected = 20% approx
 - (b) Material consumed in construction work as protection walls, H.P. filling, boulders wire crates, edge stone, parapet, base filling and grade maintain as per detail of D.P.R = 23% approx.

Hence total muck consumed at site = 43% say 40%

And total muck disposal from site to dumping point = 60%


 Junior Engineer
 P.M.G.S.Y.I.D.
 Purola(Uttarkash)


 उप प्रभागीय वनाधिकारी
 टोम्स वन प्रभाग,
 पुरोला


 Assistant Engineer
 P.M.G.S.Y.I.D.
 Purola(Uttarkash)

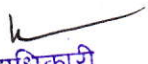

 वन क्षेत्राधिकारी
 पुरोला


 Executive Engineer
 P.M.G.S.Y.I.D.
 Purola(Uttarkashi)


 (संदीप कुमार)
 उप वन संरक्षक
 टोम्स वन प्रभाग, पुरोला


 Junior Engineer
 P.M.G.S.Y.I.D.
 Purola(Uttarkash)


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 टोम्स वन प्रभाग,
 पुरोला


 प्रभागीय वनाधिकारी
 टोम्स वन प्रभाग,
 पुरोला

NAME OF ROAD: - CONSTRUCTION OF NAUGAON- PUROLA MOTOR ROAD KM 2.00 TO THALI**GAON MOTOR ROAD****Muck Disposal / Management Plan (IN FOREST & CIVIL LAND)**

S.No.	Description of work	Quantity/Amount	Remarks
1	Total muck(after swell)	188980.31Cum	
2	Utilized quantity in project activities	75592.13Cum	@40%
3	Balance Quantity for disposal	113388.19Cum	@60%
4	Carriage of muck from the muck generation site to the dumping site	113388.19Cum	
5	Capacity of muck disposal site	113444.10Cum	
6	Development of dumping site Providing boulders wire crates	916370.00 Rs.	
7	(b)plantation of dumping site		

NOTE:-

(1)According to geological report Slate, lime stone, soil are occurring in the site.

(2)Total muck consumed at site:-

(a)Muck spread over during the construction which is not collected =20% approx

(b)Material consumed in construction work as protection walls, H.P. filling, boulders wire crates, edge stone, parapet, base filling and grade maintain as per detail of D.P.R =23% approx.

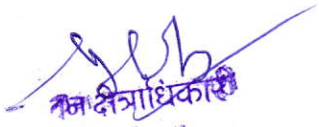
Hence total muck consumed at site =43% say 40%

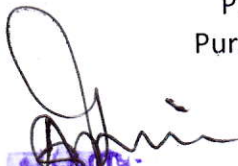
And total muck disposal from site to dumping point=60%


Junior Engineer
P.M.G.S.Y.I.D.
Purola(Uttarkash)


Assistant Engineer
P.M.G.S.Y.I.D.
Purola(Uttarkash)


Executive Engineer
P.M.G.S.Y.I.D.
Purola(Uttarkashi)


वन क्षेत्राधिकारी
पंचसला


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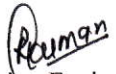

प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)

MUCK DISPOSAL / MANAGEMENT PLAN

Name of Work- Construction of Naugaon - Purola motor road km 2.00 to Thali gaon motor road
under I.,D., P.M.G.S.Y. Purola (Length Km- 10.175)

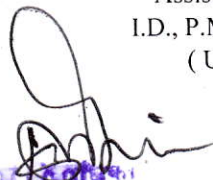
S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
	Total Qty. of Muck	124125.00				
i	Earth & Boulders (E.B.)	49650.00	1.25	62062.50	24825.00	37237.50
ii	Hard Shale (H.S.)	43443.75	1.60	69510.00	27804.00	41706.00
iii	Very Hard Shale (V.H.S.)	31031.25	1.85	57407.81	22963.13	34444.69
			Total	188980.31	75592.13	113388.19

Note -: Accoding to Geological report Slate, lime stone ,Soil are occuring in the site.


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Assistant Engineer
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(Uttarkashi)


Executive Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


वन क्षेत्राधिकारी
पुरोला


उप प्रभागीय वनाधिकारी
बपर यमुना वन प्रभाग
बडकोट


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बडकोट (उत्तरकाशी)


वन क्षेत्राधिकारी
पुरोला


उप प्रभागीय वनाधिकारी
दोन्स वन प्रभाग,
पुरोला


(संदीप कुमार)
उप वन संरक्षक
दोन्स वन प्रभाग, पुरोला

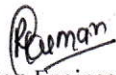
MUCK DISPOSAL POINT No. - 1

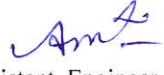
S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
Total Qauntity of Muck at point:-		12415.00				
i	Earth & Boulders (E.B.)	4966.00	1.25	6207.50	2483.00	3724.50
ii	Hard Shale (H.S.)	4345.25	1.60	6952.40	2780.96	4171.44
iii	Very Hard Shale (V.H.S.)	3103.75	1.85	5741.94	2296.78	3445.16
			Total	18901.84	7560.74	11341.10
Capacity of Muck Disposal point :-1						
LENGTH		WIDTH	HIEGHT	VOLUME (Cum)	REMARKS	
114.00		(20.50+22.50)/2	3.00	7353.00	Providing 2 Nos Rows wire crates (3.00 X 1.50 X 1.50) 100mm dia wire mesh	
112.00		23.75	1.50	3990.00		
			Total	11343.00		

Location of dumping site located by G.P.S. reference :-

N 30° 47'20.12"

E 78°07'11.95"


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Assistant Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Executive Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


वन क्षेत्राधिकारी
पुरोला


उप प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)


उप प्रभागीय वनाधिकारी
दोमस वन प्रभाग,
पुरोला


(संदीप कुमार)
उप वन संरक्षक
अपर यमुना वन प्रभाग, पुरोला

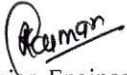
MUCK DISPOSAL POINT No. - 2

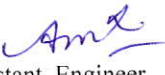
S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
Total Qauntity of Muck at point:-		18620.00				
i	Earth & Boulders (E.B.)	7448.00	1.25	9310.00	3724.00	5586.00
ii	Hard Shale (H.S.)	6517.00	1.60	10427.20	4170.88	6256.32
iii	Very Hard Shale (V.H.S.)	4655.00	1.85	8611.75	3444.70	5167.05
			Total	28348.95	11339.58	17009.37
Capacity of Muck Disposal point :-2						
LENGTH	WIDTH	HIEGHT	VOLUME (Cum)	REMARKS		
117.00	(34.50+33.50)/2	3.00	11934.00	Providing 2 Nos Rows wire crates (3.00 X 1.50 X 1.50) 100mm dia wire mesh		
115.00	29.50	1.50	5088.75			
		Total	17022.75			

Location of dumping site located by G.P.S. reference :-

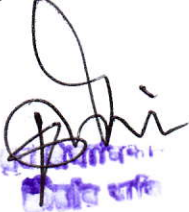
N 30° 47'10.95"

E 78°07'09.29"


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Assistant Engineer
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(Uttarkashi)


Executive Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


वन क्षेत्राधिकारी
पुरोला


वन क्षेत्राधिकारी
अपर यमुना वन प्रभाग
बड़कोट


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)


वन क्षेत्राधिकारी
अपर यमुना वन प्रभाग
पुरोला


(संदीप कुमार)
उप वन संरक्षक

MUCK DISPOSAL POINT No. - 3

S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
Total Qauntity of Muck at point:-		24845.00				
i	Earth & Boulders (E.B.)	9938.00	1.25	12422.50	4969.00	7453.50
ii	Hard Shale (H.S.)	8695.75	1.60	13913.20	5565.28	8347.92
iii	Very Hard Shale (V.H.S.)	6211.25	1.85	11490.81	4596.33	6894.49
			Total	37826.51	15130.61	22695.91
Capacity of Muck Disposal point :-3						
LENGTH		WIDTH	HIEGHT	VOLUME (Cum)	REMARKS	
108.00		(30.20+28.50)/2	3.00	9509.40	Providing 3 Nos Rows wire crates (3.00 X 1.50 X 1.50) 100mm dia wire mesh	
106.00		28.10	3.00	8935.80		
105.00		27.10	1.50	4268.25		
			Total	22713.45		

Location of dumping site located by G.P.S. reference :-

N 30° 47'19.42"

E 78°07'09.32"


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Assistant Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Executive Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
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प्रभागीय वनाधिकारी
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बड़कोट (उत्तरकाशी)


उप प्रभागीय वनाधिकारी
शेन्स वन प्रभाग,


(संदीप कुमार)

MUCK DISPOSAL POINT No. - 4

S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
Total Quantity of Muck at point:-		38260.00				
i	Earth & Boulders (E.B.)	7652.00	1.25	9565.00	3826.00	5739.00
ii	Hard Shale (H.S.)	15304.00	1.60	24486.40	9794.56	14691.84
iii	Very Hard Shale (V.H.S.)	15304.00	1.85	28312.40	11324.96	16987.44
			Total	62363.80	24945.52	37418.28
Capacity of Muck Disposal point :-4						
LENGTH		WIDTH	HIEGHT	VOLUME (Cum)	REMARKS	
145.00		(22.50+20.50)/2	3.00	9352.50	Providing 4 Nos Rows wire crates (3.00 X 1.50 X 1.50) 100mm dia wire mesh	
142.00		22.50	3.00	9585.00		
141.00		22.40	3.00	9475.20		
140.00		21.50	3.00	9030.00		
			Total	37442.70		

Location of dumping site located by G.P.S. reference :-

N 30°47'27.32"

E 78°07'05.61"


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Assistant Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


Executive Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


वन क्षेत्राधिकारी
पुरोला


वन क्षेत्राधिकारी
अपर यमुना वन प्रभाग
बड़कोट


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)

MUCK DISPOSAL POINT No. - 5

S.No.	DESCRIPTION	Muck to be generated in Cum	SWELL FACTOR	TOTAL MUCK AFTER SWELL in Cum	QUANTITIES UTILIZED IN THE PROJECT ACTIVITIES (40%) in Cum	BALANCE QUANTITIES FOR DISPOSAL (60%) in Cum
Total Quantity of Muck at point:-		25750.00				
i	Earth & Boulders (E.B.)	6437.50	1.25	8046.88	3218.75	4828.13
ii	Hard Shale (H.S.)	9012.50	1.60	14420.00	5768.00	8652.00
iii	Very Hard Shale (V.H.S.)	10300.00	1.85	19055.00	7622.00	11433.00
			Total	41521.88	16608.75	24913.13
Capacity of Muck Disposal point :-5						
LENGTH		WIDTH	HIEGHT	VOLUME (Cum)	REMARKS	
135.00		(21.50+18.50)/2	3.00	8100.00	Providing 3 Nos Rows wire crates (3.00 X 1.50 X 1.50) 100mm dia wire mesh	
132.00		21.70	3.00	8593.20		
130.00		21.10	3.00	8229.00		
			Total	24922.20		

Location of dumping site located by G.P.S. reference :-

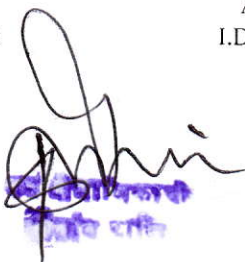
N 30° 47'10.63"

E 78°06'21.60"


Junior Engineer
I.D., P.M.G.S.Y. Purola
(Uttarkashi)


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I.D., P.M.G.S.Y. Purola
(Uttarkashi)


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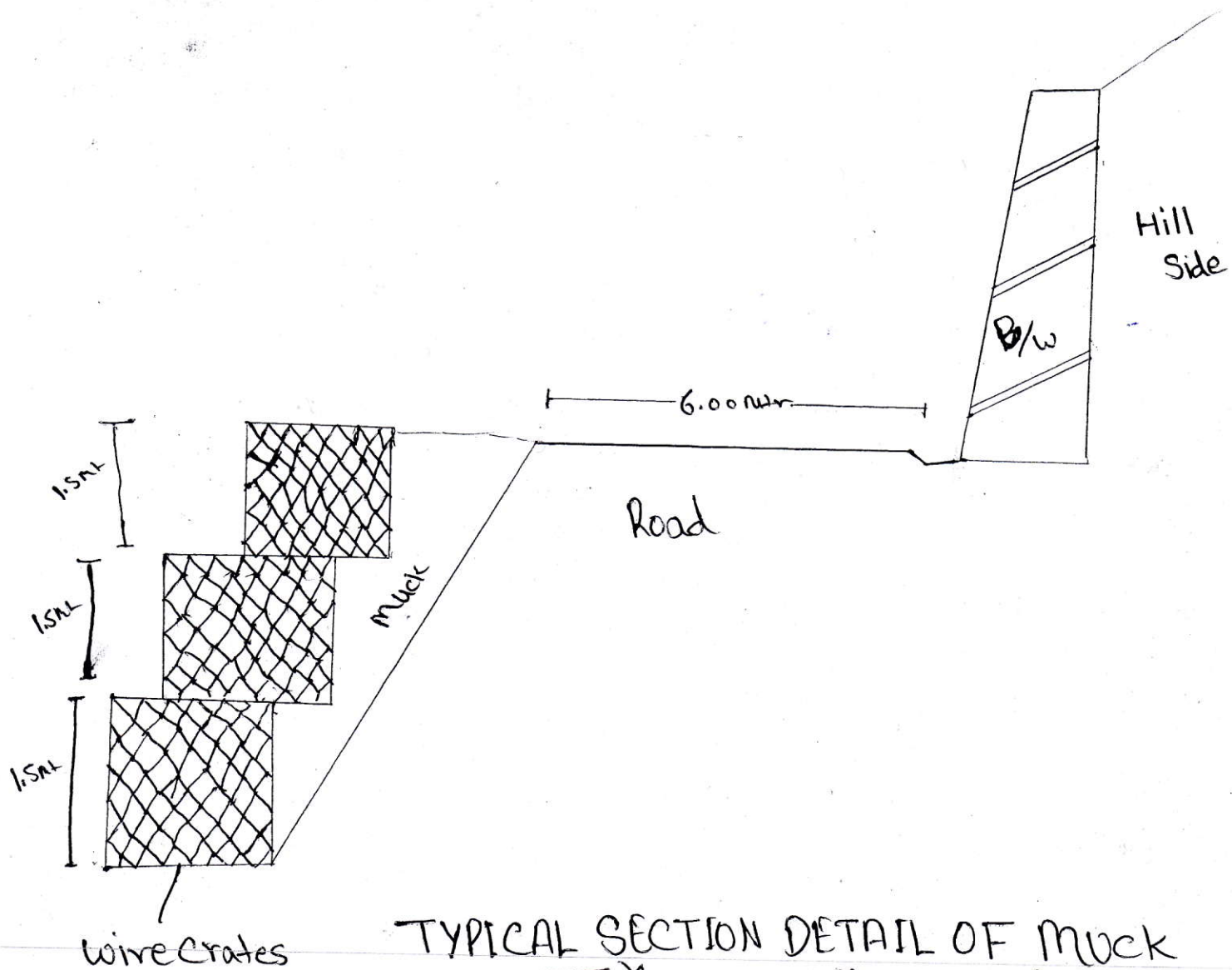

वन क्षेत्राधिकारी
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उप प्रभागीय वनाधिकारी
टीन्स वन प्रभाग,
पुरोला


प्रभागीय वनाधिकारी
अपर यमुना वन प्रभाग
बड़कोट (उत्तरकाशी)


(संदीप कुमार)
उप वन संरक्षक
पुरोला

NAME OF WORK :- प्रधानमंत्री ग्राम सड़क योजना के अन्तर्गत
 नौगाँव-पुरोला मौं मार्ग के किमी 2.00 से थला
 मौं मार्ग का निर्माण ।



TYPICAL SECTION DETAIL OF MUCK

DUMPING SITE

Assistant Engineer
 PMGSY, I.D., Puroia,
 (Uttarkashi)

Executive Engineer
 P.M.G.S.Y. Irrigation Division
 Puroia (Uttarkashi)

उप वन संरक्षक
 टैन्स वन प्रभाग,
 पुरोला



X.No- V2-V3



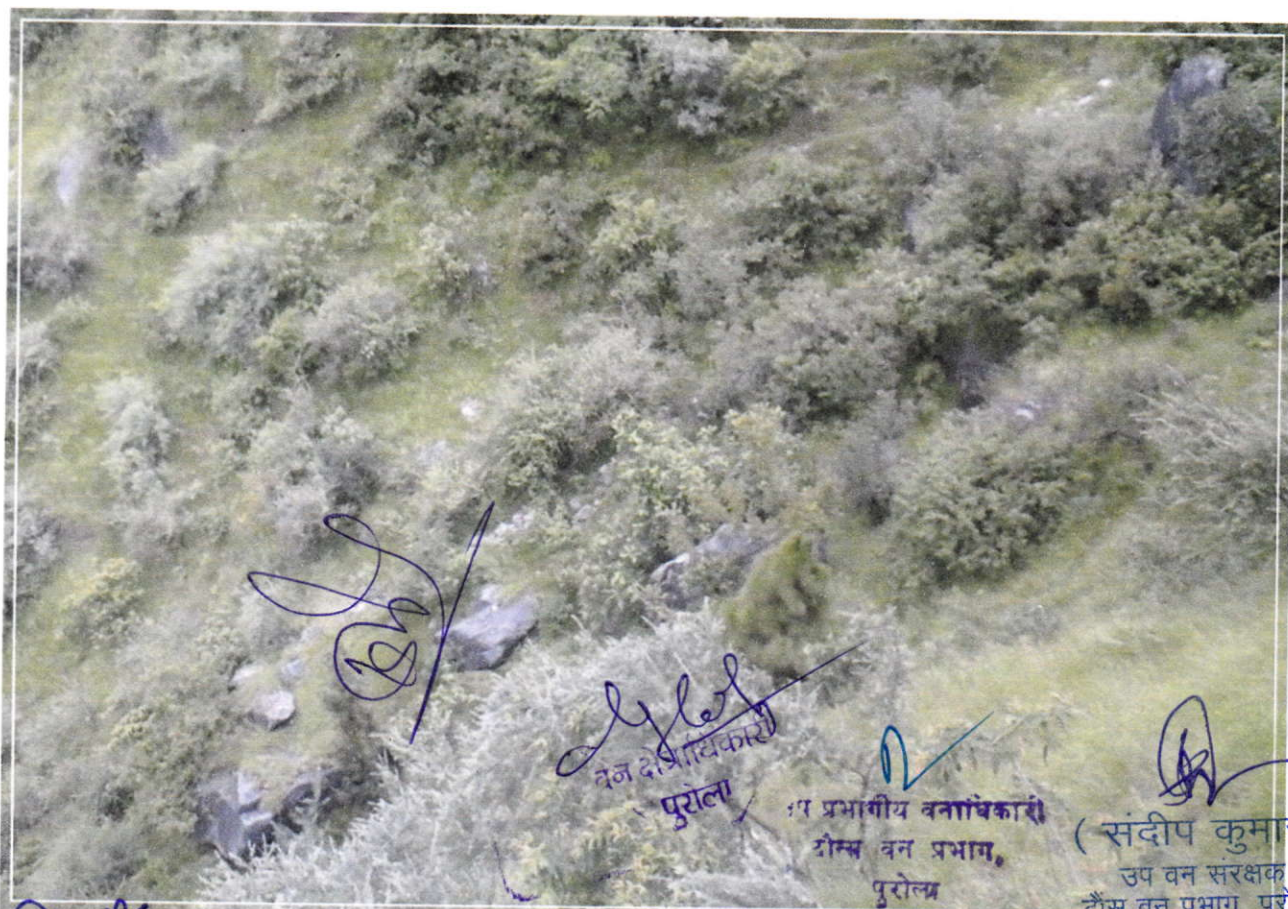
वन क्षेत्राधिकारी
पुरोला

प्रभागिय वनाधिकारी
गोख वन प्रभाग,
पुरोला

(सदीप कुमार)



X.No-3/2



[Signature]
वन क्षेत्र अधिकारी
पुरोला

[Signature]
प्रभागीय वनाधिकारी
दीप्ति वन प्रभाग,
पुरोला

[Signature]
(संदीप कुमार)
उप वन संरक्षक
दीप्ति वन प्रभाग, पुरोला

[Signature]



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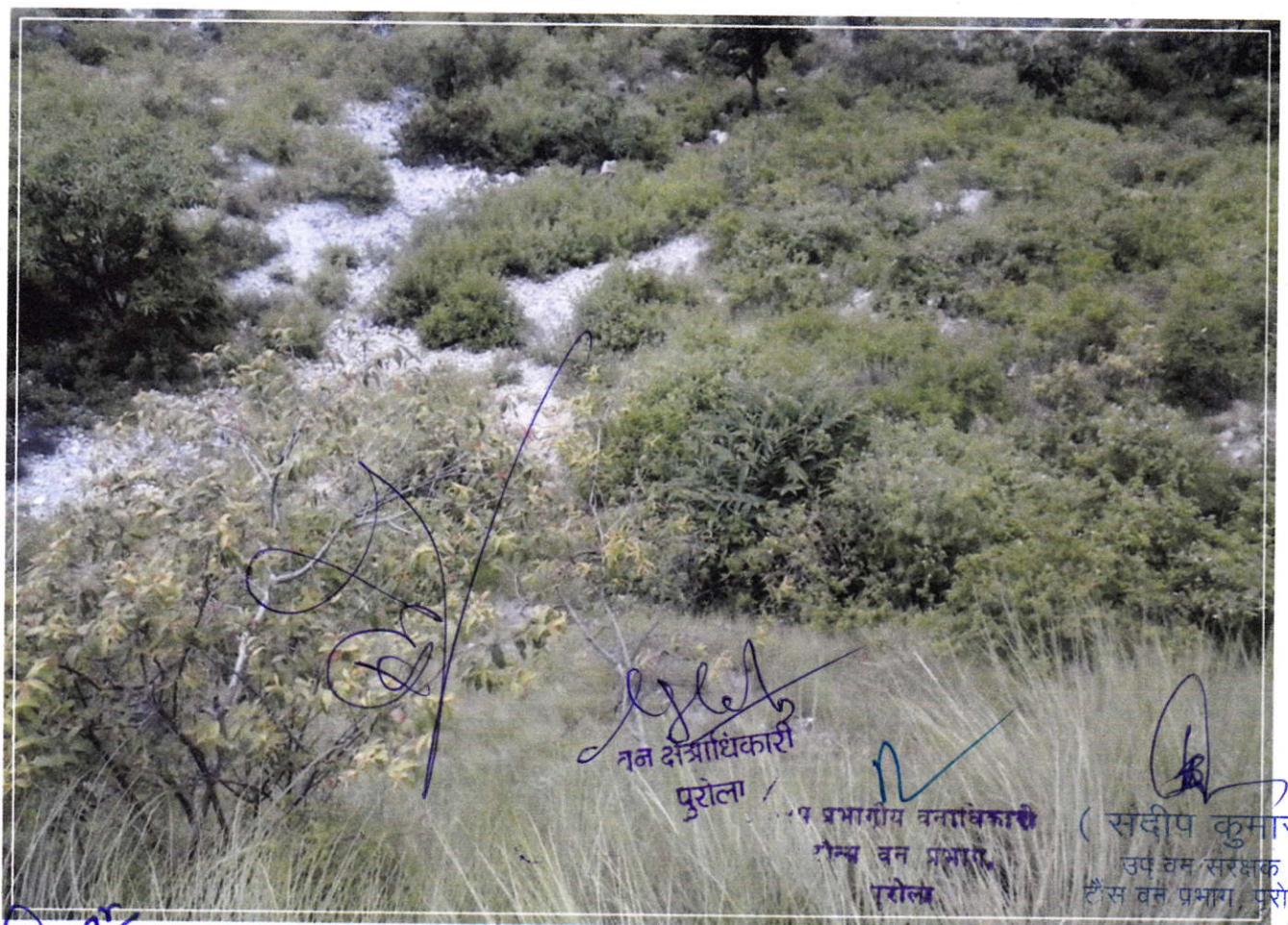
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वन क्षेत्र अधिकारी
पुरोला

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प्रभागीय वनाधिकारी
टीस वन प्रभाग,
पुरोला

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(संदीप कुमार)
उप वन संरक्षक
टीस वन प्रभाग, पुरोला



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[Signature]
वन क्षेत्राधिकारी
पुरोला

[Signature]
प्रभागीय वनाधिकारी
गोम्य वन प्रभाग,
पुरोला

[Signature]
(संदीप कुमार)
उप वन संरक्षक
हैस वन प्रभाग, पुरोला