

Full Title of the proposal:- Construction of New 2 Lane with Paved Shoulder of Hamirpur Bypass of NH-88 (New NH-103) (Design Chainage-Km.121+175 to Km.138+295, Design Length-17.120 Km) in the State of Himachal Pradesh under NH (O) on HAM Mode

File No. : FP/HP/ROAD/151932/2022

Date of Proposal: 2 Feb 2022

DISPOSAL PLAN OF EXCESS EARTH QUANTITY

1. INTRODUCTION

The project envisages construction of new 2 Lane with Paved Shoulder of Hamirpur Bypass of NH-88 (New NH-103). As the project road does not involve any construction of tunnels, the quantity of material generated from construction of project road is not of much concern. As the project road is located in a hilly cum rolling terrain, the excess earth quantity generated from the construction is required to be disposed in a planned manner so that it takes least possible space and is not hazardous to the environment. It is of prime importance that these sites will have to be rehabilitated as soon as the disposal sites are full.

The excess cutting generated, disposal sites and adequate disposal and management guidelines have been discussed in the following sections.

2. EXCESS EARTH QUANTITY GENERATION

In the proposed project, debris is expected to be generated as an excess earth quantity left after utilization as filling quantity in the construction of bypass road. The component wise debris generation from the project activity is given in Table-1.


Table-1: Abstract of debris generated from Hamirpur Bypass

S. No.	Component	Road work	Quantity in cum
1.	Quantity of Debris generated (Cum)	Rock (10%)	1,09,748
		Soil (90%)	9,87,729
2.	Quantity of debris due to swell factor (Cum)	Rock (5%)	1,15,235
		Soil (5%)	1,037,115
3.	Estimated Quantity of Debris Proposed to be utilized (Cum)	Rock (39%)	45,122
		Soil (80%)	832,963.20
4.	Balance quantity of Debris (Cum)	Rock (61%)	70,113.00
		Soil (20%)	204,151.80
5.	Effective Earth quantity to be dumped (Cum) with 15% compaction.	Rock +Soil	2,33,125

Source-DPR Study

During construction of the various components of the project road, cutting material is generated from both soil and from rock excavation. Total quantity of debris, generated from the project, shall be 10,97,477 cum which shall amount to 11,52,350 cum with swell factor. Out of the total cutting quantity generated, 8,78,085.20 cum shall be utilized on project work leaving 2,33,125 cum of excess earth quantity to be disposed after rolling at designated area earmarked for


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disposal. The debris generated is proposed to be utilized in road activities such as earthwork embankment, subgrade, backfill and pavement layers depending on suitability of the material. The designated disposal area shall also be properly protected and stabilized with retaining walls/gabion walls of suitable designed sections.

3. DISPOSAL SITES

11 disposal sites with total area of 4.6355 Ha have been designated for disposal of excess earth quantity after utilization in the proposed project. All the disposal sites are located on non- forest land out which agreement has been done with private parties for plot no. 187, 295 and 296 for disposal of excess earth generated (copy of Agreement attached as **Annexure I**). The details of disposal sites along with their capacity are given in **Table-2**.

Table-2: Details of Disposal Sites

Diposal Site No.	Chainage	Village	Plot No.	Total Area (In Ha.)	Capacity of Sites in Cum	Volume of debris to be disposed (in Cum)
D1	123+500	Lahar	169/1	0.2226	16,305	233125
D2	123+600	Lahar	168/1	0.7614	78,766	
D3	128+900	Ghanotla	187/1	0.5662	27,931	
D4	128+900	Ghanotla	187/3	1.1340	41,168	
D5	129+850	Khaggal	799/2	0.1175	608	
D6	130+100	Khaggal	813/4	0.5552	30,285	
D7	130+180	Khaggal	813/3	0.4478	12,748	
D8	130+020	Khaggal	807/1	0.0883	2,871	
D9	130+400	Khaggal	295	0.5753	34,967	
D10	130+400	Khaggal	296	0.0621	860	
D11	130+680	Baleta Kalan	190/2	0.1051	608	
				4.6355	2,47,117	2,33,125

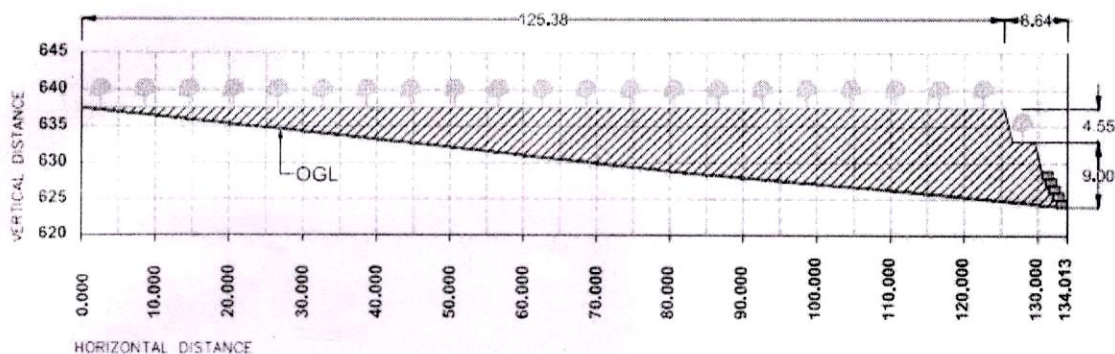
It may be seen from the Table above that the capacity of the area earmarked for disposal is 2.47 lakh cum and the volume of excess earth quantity to be disposed of after utilization is 2.33 lakh cum. This states that the capacity of the disposal sites exceeds the generated volume. All the disposal locations shall be well supported by retaining structures and suitable slope protection measures. The location of the disposal sites marked on SOI Toposheet is enclosed as **Annexure II**.

Stabilization of disposal site

The loosely held debris can lead to the rise in SPM levels and sedimentation load. Therefore, it requires stability with appropriate methods to avoid the subsequent ecological problems. The debris disposal involves both engineering and biological measures that depend on the eco-climatic conditions.

I) Engineering Measures:

The material shall be disposed of in the sites in terraces and the slopes shall be protected with multiple gabion walls of height 5m as per the elevation profile as given in the figure below.



The Disposal Plan of all the sites along with elevation profile and location of gabion walls is enclosed as **Annexure III**.

II) Biological Measures:

Vegetation cover plays a very important role in holding the dumped material over a period of time and controls the hydrological and mechanical effects on the soils and slopes. Special efforts will be required to raise vegetation cover of grasses, shrubs and trees. The local grass sodding should be done on the debris when grass seed will be germinating and the grass will add humus to the dumped material.

Soil conservation and quick growing species to be planted to stabilize the slope - *Agave sislana*, *Berberis aristata*, *Bauhinia vahilii*, *Jasminum humile*, *Rubus ellipticus*, *Prinsepia utilis*, *Justicia adhatoda*, *Ipomea carnea*, *Hypericum oblongifolium*, *Mimosa himalayana*, *Salix denticulate*, *woodfordia fruticosa*, *Alnus nepalensis* etc.


Guidelines on disposal Management

1. Fencing shall be done to prevent human / animal interference
2. Disposal shall not obstruct the natural drainage pattern
3. Trees shall be retained along the contours wherever feasible so as not to disturb the natural slope.
4. Protection walls shall be constructed along the contours prior to dumping
5. Debris shall be carried in dumper trucks covered with heavy duty tarpaulin properly tied to the vehicles
6. Dumping may be avoided during the rainy season, to avoid slipping of debris while dumping
7. Top soil shall be stripped wherever feasible to a specified depth of 150 mm and stored in stockpiles of height not exceeding 2 m in height and used for landscaping.
8. All disposal sites shall be properly landscaped when the disposal gets completed so as to merge it in the natural surroundings.

4. RESTORATION PLAN

Once the disposal sites are filled, these sites shall be rehabilitated by covering it with 15 cm fertile top soil and planting local species of trees and shrubs in consultation with the forest department so that the landscape is in harmony with the surrounding environment.



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Deputy Conservator of Forests,
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The afforestation with indigenous plant species of high ecological and economic value which can adapt to local habitat will be undertaken in consultation with the forest department depending upon the canopy cover required. Major tree and shrub species which would be planted are listed in table below.

Botanical Name	Common Name
<i>Azadirachta indica</i>	Neem
<i>Bauhinia variegata</i>	Kachnar
<i>Bauhinia purpurea</i>	Kachnar
<i>Delonix regia</i>	Gulmohar
<i>Quercus leucotrichophora</i>	Banjh Oak
<i>Mallotus philippensis</i>	Kumkum
<i>Acacia nilotica</i>	Babul
<i>Terminalia arjuna</i>	Arjun
<i>Cassia fistula</i>	Amaltas
<i>Cedrela toona</i>	Tun
<i>Pinus roxburghi</i>	Chil
<i>Melia azadirachta</i>	Dhek
<i>Terminalia chebula</i>	Harad
<i>Dalbergia sissoo</i>	Indian Rosewood
<i>Ficus roxburghii</i>	Demur
<i>Alnus nepalensis</i>	Nepal Black Cedar


Project Director
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Hamirpur (H.P.)



हिमाचल प्रदेश HIMACHAL PRADESH

05AA 963295

हम कंसेर सिंह, दिनेश कुमार सपुत्रान श्री जगत राम व श्रीमति ताजो देवी पत्नी श्री जगत राम निवासी महाल हार, मौजा जंगल, डा0 नाल्टी, तह0 व जिला हमीरपुर हि0 प्र0 के स्थायी निवासी हैं तथा विधिवत निम्न घोषणा करते हैं कि:

1. यह कि हम सभी उपरोक्त पते के स्थाई निवासी हैं।
2. यह कि हम भूमि खाता न0 9, खतौनी न0 9, खसरा न0 187 कुल रक्बा 02-23-34 हैक्टयर बंजर कदीम में से 01-28-29 हैक्टयर स्थित महाल धनोटला, मौजा जंगल, तह0 व जिला हमीरपुर के मुसत्रिका मालकान हैं। इस भूमि के साथ हमीरपुर बाई पास ट-लेन सड़क निर्माण कार्य शुरू होने वाला है जिसके लिये हमीरपुर बाई पास प्राइवेट लिमिटेड द्वारा पहाड़ी के कटान से निकाला गया मलवा अगर हमारी उपरोक्त भूमि में गिराया जाता है तो हमारा कोई एतराज नहीं होगा।

स्थान: हमीरपुर

दिनांक : 31.12.2022

हस्ताक्षर

1. *[Signature]* 2. *[Signature]*

सत्यापन



हम *[Signature]* है कि उपरोक्त कथित अन्तवस्त मेरी जानकारी के अनुसार सत्य व सही है और *[Signature]* भी तथ्य घोषणा नहीं किया है।

स्थान: हमीरपुर

दिनांक : 31.12.2022

ATTESTED

AJAY KUMAR SHARMA
NOTARY PUBLIC
Sub-Division Nardaun & Hamirpur (H.P.)

हस्ताक्षर

1. *[Signature]* 2. *[Signature]* 3. *[Signature]*

[Signature]
श्रीमति ताजो देवी

1882 No. 31/12/22 Date 20/12/22
Sub-Division Nadaun & Hamirpur
Village Dera Luni
Taluk Nethi
District RAKESH KANI
43-H



No. 3873
Certified that above Affidavit/Document
declared before me on 4-1-23
by Sh./Smt. Keshav Singh
who is identified by Sh. V. Jay Kumar
who is personally known to me
The contents of the above affidavit/document
have been read over & explained to the
deponent/executant.

AJAY KUMAR SHARMA
NOTARY PUBLIC
Sub-Division Nadaun & Hamirpur (H.P.)

भारतीय गैर न्यायिक

बीस रुपये

रु.20



Rs.20

TWENTY RUPEES

INDIA NON JUDICIAL

हिमाचल प्रदेश HIMACHAL PRADESH

05AA 963296

शपथ पत्र

हम सुनील कुमार, मदन कुमार, विजय कुमार सपुत्रांन श्री परस राम निवासी महाल खगल, मौजा जंगल, तह0 व जिला हमीरपुर हि0 प्र0 के स्थायी निवासी हैं तथा विधिवत निम्न घोषणा करते हैं कि:

- यह कि हम सभी उपरोक्त पते के स्थाई निवासी हैं।
- यह कि हम भूमि खाता न0 10 मिन, खतौनी न0 10 मिन, खसरा न0 295, 296 किता 2, कुल रक्वा तादादी 00-69-67 हैक्टेयर बंजर कदोम स्थित महाल खगल, मौजा जंगल, तह0 व जिला हमीरपुर के मुस्त्रिका मालकान हैं। इस भूमि के साथ हमीरपुर बाई पास टू-लेन सड़क निर्माण कार्य शुरू होने वाला है जिसके लिये हमीरपुर बाई पास प्राइवेट लिमिटेड द्वारा पहाड़ी के कटान से निकाला गया मलवा अगर हमारी उपरोक्त भूमि में गिराया जाता है तो हमारा कोई एतराज नहीं होगा।

स्थान: हमीरपुर

दिनांक : 31.12.2022

हस्ताक्षर

1. Sunil Kumar 2. Madan Kumar 3. ViJay Kumar 4. _____

सत्यापन :-

ATTESTED

प्रमाणित किया जाता है कि उपरोक्त कथित अन्तवस्त मेरी जानकारी के अनुसार सत्य है।

BALDEV SINGH PHUL

Notary Public

हस्ताक्षर



Distt. Courts Hamirpur (H.P.)

1. Sunil Kumar 2. Madan Kumar 3. ViJay Kumar 4. _____

1821 31/12/2020 Smt. Manoj

Name..... Smt. Manoj

Vill/Ward..... Neth

Tell.....

Stamp Value..... SMT. RAKESH RANI
43-H



S.No..... 07
Certified that above Affidavit/Document
declared before me on 31/12/2020
by Smt. Manoj
who is to be
who is
The content
has been read over
executed before me
Smt. Manoj
Vidhyashree
Affidavit
Smt. Manoj
NOTARY PUBLIC
Suo. Hamirpur (HP)



TO SHIMLA

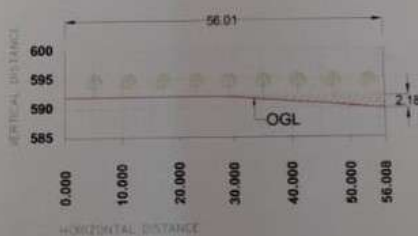
TO MATAUR

VILLAGE
TEHsil
DISTRICT

SALETA KALAN (3700)
HAMIRPUR
HAMIRPUR

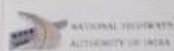


Disposal Site (Plot No. 190/2)



SECTION A-A
LONGITUDINAL PROFILE OF D11
QUANTITY = 608.42 CUM

(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division, Project Director
Hamirpur (H.P.) NHAI PIU HAMIRPUR



Scale: 1:1000

N.T.S

Project Title

CONSTRUCTION OF NEW 2 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF
NH 100 & NH-2 (DESIGN CHANGE) KM 10+175 TO KM 10+200. DESIGN LENGTH 17.120
KM IN THE STATE OF HIMACHAL PRADESH UNDER NH (I) ON NHAI

Drawing Name

SECTIONAL PLAN OF EXCESS

EARTH QUANTITY

SITE: D11

Interpretation: Consultants & Technocrats P4 (I) & II

A.R. Ghosh, Puri, New Delhi: 110016

Ph: 011-4680-1000, Fax: 011-4680-1002

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Ph: 011-4680-1000, Fax: 011-4680-1002

A.R. Ghosh, Puri, New Delhi: 110016

TO SHIMLA

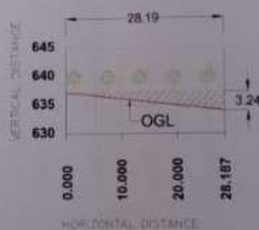
TO MATAUR

VILLAGE : HAMIRPUR (2714)
TERRA : HAMIRPUR
DISTRICT : HAMIRPUR

D10

Disposal Site (Plot No. 296)

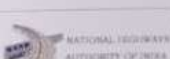
CH : 130+400



SECTION A-A
LONGITUDINAL PROFILE OF D10
QUANTITY = 859.63 CUM

(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division
Hamirpur (H.P.)

Project Director
NHAI PIU HAMIRPUR



Scale

N. T. S.

Project Title

CONSTRUCTION OF NEW 2 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH 102 & NH 101 (DESIGN CHAINAGE KM 121+175 TO KM 128+000, DESIGN LENGTH 6.825 KM) IN THE STATE OF HIMACHAL PRADESH UNDER NH (C) OR NH

Drawing Name

DISPOSAL PLAN OF EXCESS SAND QUANTITY
SITE : D10

Intergeo International Consultants & Technocrats Pvt Ltd,
A-8, Green Park, New Delhi - 110016
Ph: 011 4086 2000, Fax 011 4086 2002

Prepared by : S.K. Yadav
Designed by : S.K. Yadav
Checked by : S.K. Yadav
Approved by : S.K. Yadav

Sl	Rev	Date	By	Check
01	01	January, 2023	DPW	Checked by
02	01	May, 2022	DPW	Checked by
03	01	May, 2022	DPW	Checked by
04	01	May, 2022	DPW	Checked by
05	01	May, 2022	DPW	Checked by
06	01	May, 2022	DPW	Checked by
07	01	May, 2022	DPW	Checked by
08	01	May, 2022	DPW	Checked by
09	01	May, 2022	DPW	Checked by
10	01	May, 2022	DPW	Checked by

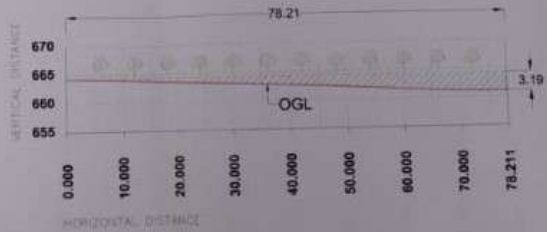
TO SHIMLA

TO MATAUR

VILLAGE: KHWADAL (37116)
TALUK: HAMIRPUR
DISTRICT: HAMIRPUR

Disposal Site (Plot No. 807/1)

D8



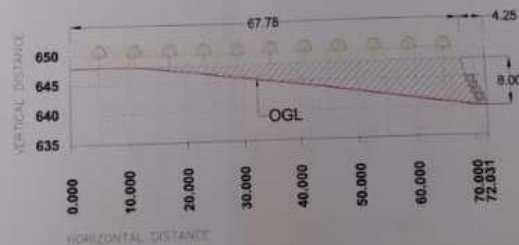
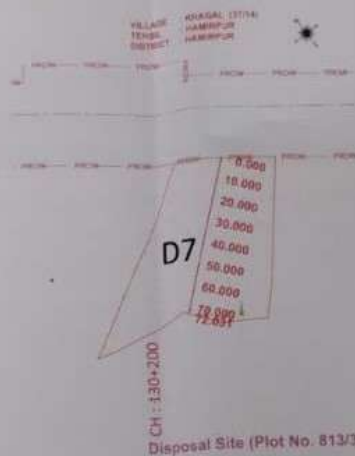
SECTION A-A
LONGITUDINAL PROFILE OF D8
QUANTITY = 2871.28 CUM

(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)
Project Director
NHAI PIU HAMIRPUR

<p>NATIONAL HIGHWAYS AUTHORITY OF INDIA</p>	<p>Scale: 1:1000</p>	<p>Project Title: CONSTRUCTION OF NEW 2 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH-102 & NH-103 DESIGN CHARGE NO. 12/11/18 TO NH 102/103. DESIGN LENGTH 17.725 KM IN THE STATE OF HIMACHAL PRADESH UNDER NH-102 ON NH-103</p>	<p>Drawing Name: CENTRAL PLAN OF ACCESS GATE QUANTITY SITE - 1A</p>	<p>Prepared by: S. S. Prasad Checked by: S. S. Prasad Approved by: S. S. Prasad</p>	<p>Project Director NHAI PIU HAMIRPUR</p>
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TO SHIMLA

TO MATAUR



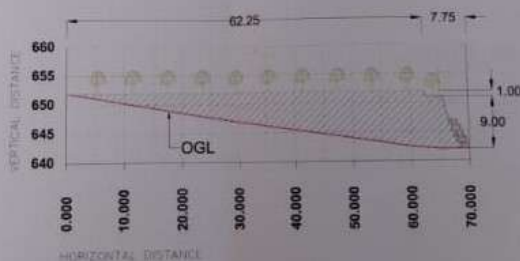
SECTION A-A
LONGITUDINAL PROFILE OF D7
QUANTITY = 12747.88 CUM

(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.) Project Director
NHAI PIU HAMIRPUR

 NATIONAL HIGHWAYS AUTHORITY OF INDIA	Scale	Project Title	Drawing Title	 Using Name Prepared by	 & S. Kumar Designed by	 Drawing Checked Checked by	 Drawing Approved Approved by	Drawing No.	Drawing Date
	N. T. S.	CONSTRUCTION OF NEW FLARE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH-103 & 194-3 DESIGN CHARGE KM 131+175 TO KM 138+205 DESIGN LENGTH 17.130 KM IN THE STATE OF HIMACHAL PRADESH UNDER NH-103 ON NHM	GENERAL PLAN OF EXCISE EARTH QUANTITY SITE: 107						
								01	01

TO SHIMLA

TO MATAUR



SECTION A-A
LONGITUDINAL PROFILE OF D6
QUANTITY = 30284.69 CUM

(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)

Project Director
NHAI PIU HAMIRPUR



Scale : 1" = 100'

X T 8

Project Title:

CONSTRUCTION OF NEW 3 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH-101 & NH-2 DESIGN CHAINAGE KM 121+175 TO KM 130+000. DESIGN LENGTH 17.126 KM. IN THE STATE OF HIMACHAL PRADESH UNDER NH-101 ON NH-101

Drawing Name:

ORIGINAL PLAN OF EXCESS
EARTH QUANTITY
SITE - 06



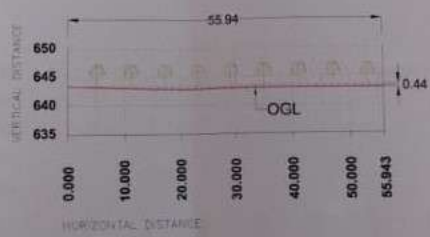
Prepared by: S. A. Verma
Checked by: S. A. Verma
Approved by: S. A. Verma

Project Director
NHAI PIU HAMIRPUR

Sl. No.	Date	By	For
01	12/08/2022	CHD	Checked by
02	12/08/2022	CHD	Checked by
03	12/08/2022	CHD	Checked by
04	12/08/2022	CHD	Checked by
05	12/08/2022	CHD	Checked by
06	12/08/2022	CHD	Checked by
07	12/08/2022	CHD	Checked by
08	12/08/2022	CHD	Checked by
09	12/08/2022	CHD	Checked by
10	12/08/2022	CHD	Checked by

TO SHIMLA

TO MATAUR



SECTION A-A
LONGITUDINAL PROFILE OF D5
QUANTITY = 607.76 CUM

us
(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)
Project Director
NHAI PIU HAMIRPUR



Scale :
N.T.S

Project Title
CONSTRUCTION OF NEW 3 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH-101 & NH-2 DESIGN CHAINAGE KM 121+175 TO KM 128+296 DESIGN LENGTH 7.121 KM IN THE STATE OF HIMACHAL PRADESH UNDER NH (C) ON NHM

Drawing Name
LONGITUDINAL PROFILE OF D5
EARTH QUANTITY
SITE : 145

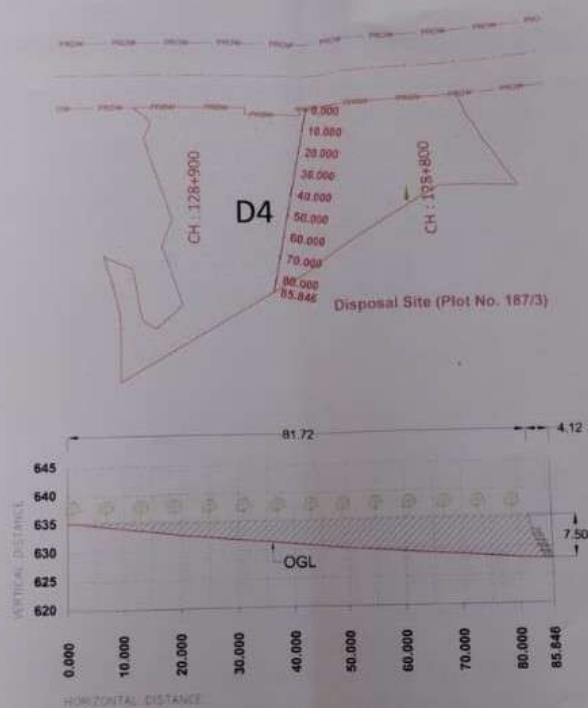
Supervisory Consultant & Textile Institute Pvt Ltd,
A-6, Green Park, New Delhi - 110016.
Ph: 011-4940-3000, Fax: 011-4940-3012
Prepared by: [Signature]
Checked by: [Signature]
Approved by: [Signature]

DS	January, 2023	DSF	
Rev	Rev. 001	DSF	Checked
Approved	DSF	DSF	Checked
Drawing No: NHAI/PIU SHIMLA - MATAUR/01/23			

TO SHIMLA

TO MATAUR

VILLAGE : SHANOTLA (11115)
TEHSEL : HAMIRPUR
DISTRICT : HAMIRPUR



SECTION A-A
LONGITUDINAL PROFILE OF D4
QUANTITY = 41168.05 CUM

(Rakesh Kumar, D.O.)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)

Project Director
NHAI PIU HAMIRPUR



Scale : 1:1000

Project Title :
CONSTRUCTION OF NEW 2 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS OF NH-105 & NH-106 DESIGN CHAINAGE KM 121+175 TO KM 128+245. DESIGN LENGTH 7.170 KM IN THE STATE OF HIMACHAL PRADESH UNDER NH (C/O) NHAI

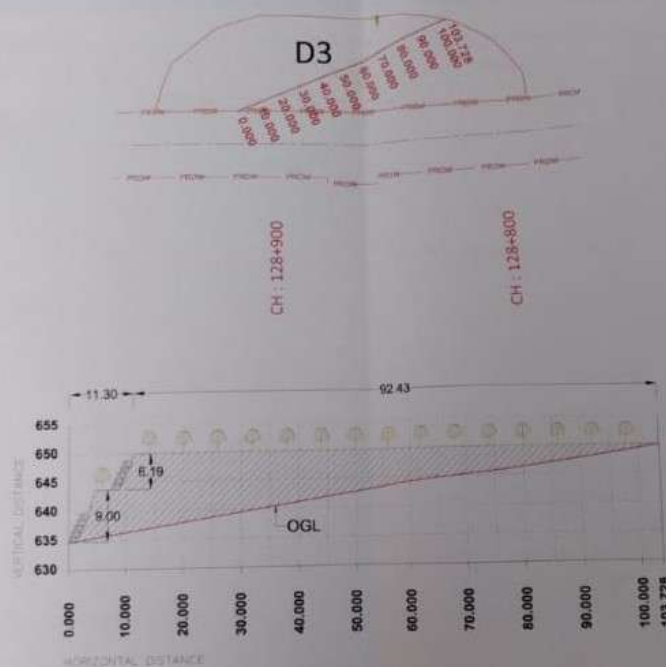
Drawing Name :
GENERAL PLAN OF EXCISES
EARTH QUANTITY
SITE : 104

Prepared by :
Checked by :
Approved by :

Rev.	Description	Date	By	Checked
01	Issued for construction	10/05/2023

TO MATUR ►



Disposal Site (Plot No. 187/1)



SECTION A-A
LONGITUDINAL PROFILE OF D3
QUANTITY = 27930.87 CUM

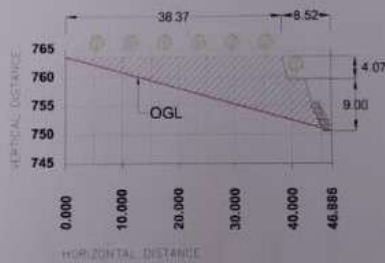
(Rakesh Kumar, P.S.)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)

Project Director
NHAI PIU HAMIRPUR

 NATIONAL HIGHWAYS AUTHORITY OF INDIA	Scale	Project Title	Drawing Name	 Approved by Prepared by N/A Designated by N/A Checked by N/A Approved by N/A	Approved by N/A Checked by N/A Approved by N/A	Date N/A Date N/A Date N/A	Description N/A Description N/A Description N/A
	N. T. S.	CONSTRUCTION OF NEW LANE WITH PAVED SHOULDER OF KHAMMURU BYPASS OF 99+100 & 100+00 CHAINAGE 100+175 TO 100+180 (SECTION LENGTH 17.500) KMS. IN THE STATE OF KHAMMURU, PRADESH UNDER NH (1) ON HAM	DISPOSAL PLAN OF EXCESS EARTH QUANTITY SITE (1)		Approved by N/A Checked by N/A Approved by N/A	Date N/A Date N/A Date N/A	Description N/A Description N/A Description N/A





TO SHIMLA

TO MATAUR



SECTION A-A
LONGITUDINAL PROFILE OF D1
QUANTITY = 16304.66 CUM

UP
(Rakesh Kumar, IFS)
Deputy Conservator of Forests,
Hamirpur Forest Division,
Hamirpur (H.P.)
Project Director
NHAI PIU HAMIRPUR

	Scale	Project Title	Drawing Name		Interdisciplinary Consultation & Technical Review (P.E. Ltd., A.R. Goyal (P.E.), New Delhi - 110016 (P.E. - 91) +91-11-2606 3000, Fax: 2606 3252)	Prepared by		Checked by		Approved by						
						A.R. Goyal		S.P. Singh		A.R. Goyal						
NATIONAL HIGHWAYS AUTHORITY OF INDIA	N.T.S.	CONSTRUCTION OF NEW 2 LANE WITH PAVED SHOULDER OF HAMIRPUR BYPASS ON NH-102 & NH-103 DESIGN CHARGE KM 121+175 TO KM 128+386 DESIGN LENGTH 17.136 KM IN THE STATE OF HIMACHAL PRADESH UNDER NH (S) OR NHM	DISPOSAL PLAN OF EXCESS EARTH QUANTITY SITE : D1			Prepared by		Checked by		Approved by						
						A.R. Goyal		S.P. Singh		A.R. Goyal						
						Revision					Date		Description		Remarks	
						1					01/01/2023		01/01/2023		01/01/2023	
						2					01/01/2023		01/01/2023		01/01/2023	
						3					01/01/2023		01/01/2023		01/01/2023	
						4					01/01/2023		01/01/2023		01/01/2023	
						5					01/01/2023		01/01/2023		01/01/2023	
						6					01/01/2023		01/01/2023		01/01/2023	
						7					01/01/2023		01/01/2023		01/01/2023	
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