



No. RO/UK/Chardham/HPC Government of India Ministry of Road Transport & Highways

(Chief Engineer-Regional Office)

46/1, Canal Road, Jakhan, Dehradun - 248001 (Uttarakhand) Phone No. 0135-2738657, email:- romorthddn@gmail.com

Dated: - 25.09.2020

To.

1. The Director General (Borders Roads), Seema Sadak Bhawan, Ring Road, Naraina, New Delhi. (E-mail: bro-dirwest@nic.in, bro-direpc@bro.gov.in).

2. The Managing Director, NHIDCL, 3rd Floor PTI Building, 4, Parliament Street New

Delhi. (E-mail:mdnhidcl@gmail.com).

3. Secretary, PWD, Government Uttarakhand Secretariat, 4, Subhash Road, Dehradun-248001. (E-mail: secy-rd-ua@nic.in).

Subject: Hon'ble Supreme Court's Order dated 08.09.2020 in the M.A. 1449/2020 and 08.08.2019 in the matter of Citizens for Green Doon & Ors. Vs. Union of India and Ors. reg.

Sh. Ravi Chopra, Chairman, HPC letter dated 11.09.2020. i. Ref:

This office letter dated 17.09.2020. ii.

Sir. This is in reference to letter cited above at (i) which was forwarded vide this office letter cited above at (ii) with request to submit the comments/ compliance report in the specified timeline in this office. The same are still awaited.

In compliance to letter dated 11.09.2020 of Chairman, HPC it is requested to put 2. the details of vulnerable slopes & muck dumps which were submitted to HPC vide this office RO/UK/CHARDHAM/HPC dated 11.05.2020 (copy enclosed) in public domain on your respective websites. It is also requested to provide road signages as per IRC Specifications at these locations to warn the road users.

Encl.: As above

Yours faithfully

Assistant Executive Engineer For Chief Engineer-Regional Officer

Copy for necessary action to:

1. The Chief Engineer (NH), PWD, Garhwal Mandal, Yamuna Colony, Dehradun. (E-mail: cenhddn@gmail.com).

2. The Chief Engineer (Project Shivalik), Border Road Organization, IDPL Complex,

Virbhadara, Rishikesh. (E-mail: bro-svk@nic.in).

3. The Regional Officer, NHIDCL, C-24, Ajabpur Kalan, Near Bengali Kothi, THDCC, Dehradun. (E-mail: ro.dehradun@nhidcl.com).

Copy for information to:

1. Director General (RD) & Special Secretary, MoRTH, Transport Bhawan, New Delhi-110001. (E-mail: indresh.pandey@nic.in).

2. Additional Director General (Zone-1), MoRTH, Transport Bhawan, New Delhi-

110001. (E-mail: d.sarangi@nic.in).

3. The Principal Secretary Forest, Govt. of Uttarakhand, Secretariat, 4 Subash Road,

Dehradun -248001. (E-mail:secy-for-ua@nic.in).

4. The Chief Engineer (Zone-I), Transport Bhawan, New Delhi- 110001. (E-mail: rahul.gupta@nic.in).

Yours faithfully

Assistant Executive Engineer

For Chief Engineer-Regional Officer



Regional Office <romorthddn@gmail.com>

Submission of details of vulnerable slopes and muck dump sites- reg.

2 messages

Regional Office <romorthddn@gmail.com> Mon, May 11, 2020 at 12:45 PM To: environment.spmguk@gmail.com, arvind singh hyanki hyanki anvind singh hyanki <a href="mailto:spmguk@gmailto:spmguk@gmailto:spmguk@ Pandey" <indresh.pandey@nic.in>, cenh ddn <cenhddn@gmail.com>, bro-svk <bro-svk@nic.in>, info@nhidcl.com Cc: Virendra Singh Khaira <khairavs@gmail.com>

Chief Engineer - Regional Officer Ministry of Road Transport and Highways Govt. of India 46/1, Canal Road Jakhan Dehradun Tel: 0135-2738657

2 attachments

submission of details of vulnerable slopes.pdf

Vulnerable slopes and muck dump sites details.xlsx

Regional Office < romorthddn@gmail.com> To: rachop@gmail.com

Mon, Jul 20, 2020 at 4:37 PM

[Quoted text hidden]

Sir,

PFA the list of vulnerable slopes and muck dumps.

2 attachments

submission of details of vulnerable slopes.pdf

Vulnerable slopes and muck dump sites details.xlsx 57K





No. RO/UK/Chardham/HPC Government of India

Ministry of Road Transport & Highways (Chief Engineer-Regional Office)

46/1, Canal Road, Jakhan, Dehradun - 248001 (Uttarakhand)

Dated: 11.05.2020

To,

The Secretary, Forest & Environment, Member Secretary, Forest (HPC), Govt. of Uttarahkhand, 4 Subash Raod, Uttarakhand Secretariat. Dehradun - 248001

Sub: - Submission of details of vulnerable slopes and muck dump sites- reg.

Sir.

Please refer to your letter no. 05/X-3/19/15(104)/2019 dated 06.03.2020, 12/X-3/19/15(104)/2019 dated 24.04.2020 and 20/X-3/19/15(104)/2019 dated 06.05.2020 vide which it was recommended to undertake survey to identify vulnerable slopes and muck dumping sites.

In this regard, the executing agencies has identified the vulnerable slopes and muck dump sites, the details of such vulnerable slopes and muck dumping sites package wise alongwith its chainages and GPS locations, are enclosed herewith of further necessary action. It is to mention that partial details are received from NHIDCL vide letter no. NHIDCL/PMUSRN/HPC/2019-20/CORR/D.2950 dated 13.04.2020 (Copy Enclosed).

Encl.: Excel sheet of details

Yours faithfully

(Kapil Singh) **Executive Engineer**

For Chief Engineer-Regional Officer

Copy to:

- 1. Director General (RD) & Special Secretary, MoRTH, Transport Bhawan, New Delhi-110001 - for information.
- 2. The Chief Engineer (NH & Bridge), Yamuna Colony Dehradun.
- 3. The Chief Engineer (Project Shivalik), BRO, Rishikesh.
- 4. The Director, NHIDCL, PTI Building, Parliament Street New Delhi- to submit complete details at earliest.

राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड़

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD Ministry of Road Transport & Highways, Government of India PMU- Lane No. 1, ward No. 9, Upper Bhaktiyana, Pauri Road, Srinagar Garhwal, Uttarakhand, Pin-246174

E-mail: - nhidelddn2@gmail.com Contact no :- 01346-253038

सार्वजनिक क्षेत्र का उपक्रम

A PUBLIC SECTOR UNDERTAKING

Date: 13.04.2020

NHIDCL/PMUSRN/HPC/2019-20/CORR/D- 2350

To,

CE-RO, MORT&H, 46/1 Canal Road, Jakhan, Dehradun, Uttarakhand.

Sub: Construction and Up-gradation to 2-lane with paved shoulder from Km. 368.00 to 430.000 of Lameri to Chamoli of NH-07 on EPC basis in the State of Uttarakhand. Submission of details of vulnerable slopes & muck dumping site.

Ref:

CE-RO, MoRT&H, Dehradun letter no. RO/UK/Chardham/HPC dated 11.03.2020.

(i) (ii) M/s HEC letter no. 980014/Client/Pkg-I/281 dated 17.03.2020 (Copy enclosed).

(iii) M/s HEC letter no. 980014/Client/Pkg-II/323 dated 17.03.2020 (Copy enclosed).

Sir, With reference to your letter mentioned above at reference (i), the details of vulnerable slopes and muck dump sites, as submitted by Authority's Engineer, M/s HEC in Association with M/s L Telford Consulting Eng. Pvt. Ltd. under jurisdiction of this office (Km 360.000 to Km 430.000 of NH-58) is enclosed herewith.

Encl:- As Above.

(Jagat Narayan) General Manager (P)

Copy to: -

1. NHIDCL, site office-Rudraprayag for information please.

2. Office copy.



Highway Engineering Consultant in Association with



LTelford Consulting Engineers Pvt. Ltd.

Project Office:#Flat No. 301, FH-17, GTM Forest & Hills, Handwar Road, Mohkampur, Dehradun-248005 # Hotel Holidays Home, Shakti Nagar, Main Badtinath Road, Karanpryag-246444(Email-hecktelford.chardham@gmail.com)

Ref: 980014/Client/Pkg-I/281

Date: 17/03/2020

To.

General Manager (Projects)

National Highways & Infrastructure Development Corporation Limited,

Lane no.1, Upper Bhaktiyana,

Opposite G.B.Pant Forestry Institute,

Pauri Road, Srinagar, Uttarakhand

Email ID: nhidclddn2@gmail.com, nhidclddn@gmail.com

Subject:

Consultancy services for supervision of : Construction and up gradation of existing road to 2-lane with paved shoulder from Km 368.00 to km 399.00 of Lameri to Karanprayag (Excluding km 379.100 to km 380.275) of NH-07 under Chardham Priyojna of EPC basis in the state of

Uttarakhand.

Regarding:

submission of details of vulnerable slope and muck dump sites

Reference:

1. Your Letter No. NHIDCL/BOSRN/ALL PKG/2018-19/CORR/D-2908

2. Chief Engineer - RO, Dehradun Letter No. Nil

3. Secretary, Forest & Environment Govt. UK DO No. 05/X-3/19/15(104)/2019

Dated: 11-03-2020

Dated: 11-03-2020 Dated: 06-03-2020

Sir,

Kindly refer to your letter dated 11-03-2020 cited at serial (1) regarding the subject enclosing therewith letters dated 11-03-2020 and 06-03-2020 from RO, MORT&H, Dehradun and Secretary, Forest & Environment Department, Uttarakhand cited at serial (2) and (3) respectively wherein the information with regard to identification of vulnerable slopes and muck dumping sites are asked for by undertaking quick survey of the project road.

As a follow up action the inspection of above mentioned Contract Package from Km. 368+000 to Km. 399+000 was carried out on 16-03-2020 so as to see physically all such spots/locations which seem to be vulnerable from slide angle or the dump sites which come under the same bracket along with individual photographs.

Our observations and inferences are listed chainage wise as under seriatim: -

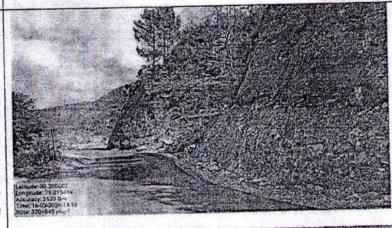
1) Vulnerable slope:- ch. 368+942 to 369+000

SI. No.	Description	Photographs
1	Vulnerable slope (Ch. 368+942 to Ch. 369+000 & 369+000 to 369+180):- The hill slope face at these two locations is very steep in the range of 70 to 80°. The strata comprises of cobble/round stones intermixed with clay. The hill slope is in a fairly stable condition but requires treatment as per expert advise. Seeding mulching may also be an option keeping in view clayey medium where vegetation may	Agriculty St. 200444 Longware 2 2 Victor According 2 2 Victor Agriculty St. 200444 Longware 2 2 Victor According 2

grow.

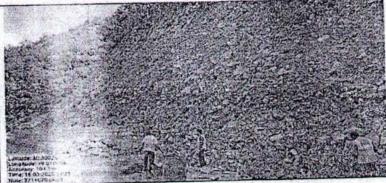
2 Vulnerable slope (Ch. 370+845 to 370+890):-

The hill cut face comprises of pebble/cobble & round stone in a matrix of clayey medium. The exposed slope face is at an angle of about 70° or more and seems to be in a fairly stable condition. Treatment as per the advise of expert is required. However seeding mulching may also be an option keeping in view clayey medium where vegetation can take roots.



3 Vulnerable slope (Ch. 371+070 to Ch. 371+100):-

The slope comprises of rocks, debris intermixed with silty clay and requires treatment for it's stabilization. Height may range from 10-15 mts.

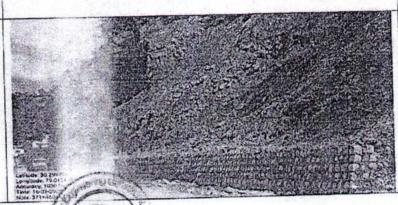


4 Dumping zone (Ch. 370+130 to Ch. 370+222):-

Although toe gabions have been placed for holding the muck/mulba safely; yet raising of their height is required to create free board & restraint against roll over.

5 Vulnerable Slope (Ch. 371+460 to Ch. 371+236):-

The slope face comprises of soil mixed with debris and needs treatment to arrest any destabilization/ roll over of mulba in future & cause obstruction to project road.



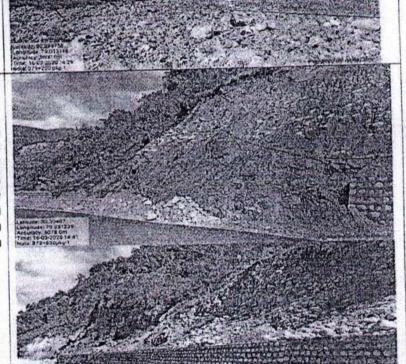
6 Dumping Zone (Ch. 371+170 to Ch. 371+236):-

This dumping site is filled up to top of toe gabion and requires their strengthening and raising so that a free board is created as a restraint against rollover of muck/mulba beyond the bottom limit of the gabions.

7 Vulnerable Slope (a) Ch. 372+630 to Ch. 372+650

(b) Ch. 372+770 to Ch. 372+810

The cut faces of hill slopes at both these locations comprises of cobble stones/boulders in a clayey medium. Presentally these slopes seem to be in a fairly stable condition but treatment with seeding mulching may be an option besides other stabilization measures as per expert advice.



8 Vulnerable Slope (Ch. 372+950 to Ch. 372+970):-

The cut face of hill slope comprises of big rocks/stones interspersed with soil & with a steep slope. Although the face slope seems stable at present yet some treatment needs to be visualized for its stability in future as per expert advise





9 Vulnerable Dumping Site (Ch. 373+250 to 373+290):-

The slope as usual is in a parabolic shape comprising of big boulders and clay mixture slope is steep & seems fairly stable at present but requires treatment for its sustained stability to avoid road blocks in future.

10 Vulnerable Dumping Site (Ch. 374+000 to 374+080):-

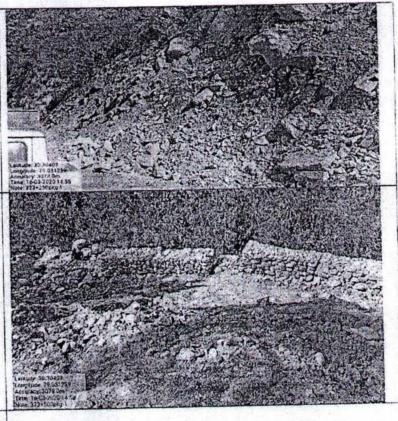
The dumped mulba/muck needs to be properly secured by toe/protection gabions as it seems to be vulnerable at present. This is essential to avoid any likely hazards on this account.

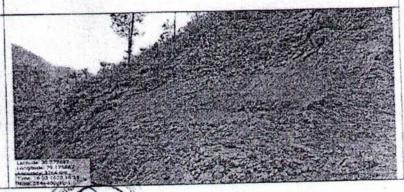
11 Vulnerable Dumping Site (Ch. 375+000 to 375+065):-

Although this dumping site seems to be in a fairly good condition yet it requires strengthening/raising of gabions to maintain this site in proper shape.

12 Vulnerable Slope (Ch. 384+400 to Ch. 384+430):-

The hill slope configuration is in the from of fractured/weathered rock with soil/slit mixture. The slope angle is fairly steep & requires treatment for its stability as per expert advise.





Infra Advisor"

Vulnerable Dumping Site (Ch. 400+750 to 400+830):-

This dumping site is observed to be vulnerable as mulba/dumped material is over shooting the toe gabions and as such raising of these protection gabions is required to arrest over shooting of mulba.

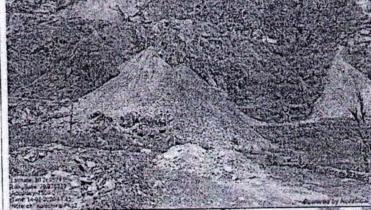


3 Vulnerable Slope (Ch. 401+920 to Ch. 401+970):-

Within these limits the slope on hill side of road has formed a parabolic slide of about 40 mts. Height at apex enclosed by vegetation/trees on its outer periphery. The composition of material seems silty clay / rock debris.

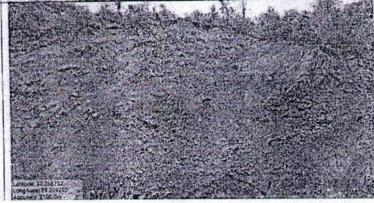
4 Vulnerable Dumping Site (Ch. 405+520 to Ch. 405+603):-

Here also the muck/mulba is over flowing the toe gabion on valley side atop the Kaleshwar village. A culvert is also located at ch. 405+550 raising of toe gabion is required to arrest over shooting of mulba.



5 Vulnerable Slope (Ch. 406+350):-

On the hill slope the exposed base rock can be observed with mulba/vegetation growth at its top end. However at times some shooting stone/debris rolls down the slope and could hit the shop of local resident across the other end of road on valley side causing public outcry.



Vulnerable Dumping Site (Ch. 407+950 to Ch. 408+100):-Here again the problem of over dumped of shooting mulba/debris is observed which can directly fall into river below requires such and as of toe raising/strengthening create to gabions headroom/restraint to debris flow beyond its limits. Vulnerable Dumping Site (Ch. 408+185 to Ch. 408+260):the dump management is observed to be in fairly better condition but still gabions require raising. A culvert is located within this dump site and cascading arrangement is required to regulate its out flow on valley site to arrest erosion. Vulnerable Dumping Site (Ch. 8 409+160 to Ch. 409+260):-Presently no over shooting of mulba is taking place but it is filled up to brim and requires raising of gabion along with their extension as well where no protection has been done as yet so that the mulba does not drop into river below. Moreover culvert is also located within the dumping area and needs to be extended to take its outlet outside the dump site. Slope Vulnerable 409+720 to Ch. 409+740):-This slide spot falls in village Sonla, Nandprayag and its composition is soil mixed with big boulders accompanied with seepage of water due to which its stability is aggravated.

10 Vulnerable Slope (Ch. 410+540 to Ch. 410+580):The slope apparently seems venerable and needs to be enlisted as such.

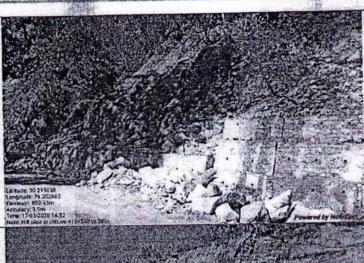
11 Vulnerable Slope (Ch. 410+640 to Ch. 410+700):The slope apparently seems venerable and needs to be enlisted as such.

12 Vulnerable Slope (Ch. 411+430):-

This is a vulnerable slide reach where material composed of clay and round boulders has already slipped down. It is located just before the existing bridge. A village road taking off before this location passes over top of the slide and can threaten the stability of this link road as well.

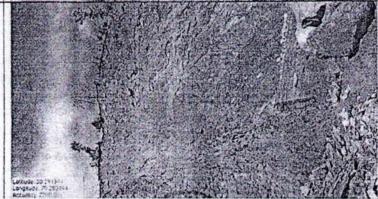
13 Vulnerable Slope (Ch. 411+480 to Ch. 411+520):-

The slope angle is 50°+ composed of exposed rock on bottom portion and clayey media with boulders and debris on its upper portion. An electric transmission tower is located just a few meters at top edge of this slide and may have safety concerns any time. This location is Devlibagarh.



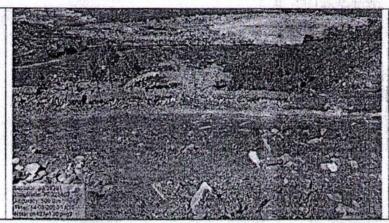








Vulnerable Dumping Site (Ch. 427+130 to Ch. 427+265):This dumping site is observed to be in good shape and no over shooting was observed.



The information with regard to vulnerable slopes and dumping sites as above is submitted for favor of further necessary action at your end.

Thanking you and assuring you of our best services always.

Shadhtan Bhat Team Leader HEC-LTCEPL

CC. 1. M/s SCCPL-HCCPL, Contract Package - 2



13 Vulnerable Slope (Ch. 386+500 to Ch. 3386+540):-

The hill slope comprises of sandy soil & rocks and requires treatment for stabilizing this slope for avoiding any rock fall/slip accumulation on project road



*64.60

14 Vulnerable Slope (Ch. 387+270 to Ch. 387+310):-

The slope height up to its apex is approximately 15 mts. and comprises of soil, weathered rock, debris & is a naturally occurred slide. The spot requires treatment as per expert advise to avoid any interference with traffic on project road in future.



The information with regard to vulnerable slopes and dumping sites as above is submitted for favor further necessary action at your end.

Thanking you and assuring you our best services.



Team Leader HEC-LTCEPL



Highway Engineering Consultant in Association with

LTelford Consulting Engineers Pvt. Ltd.

Project Office:#Flat No. 301, FH-17, GTM Forest & Hills, Handwar Road, Mohkampur, Dehradun-248005 # Hotel Holidays Home, Shakti Nagar, Main Badrinath Road, Karanpryag-246444 Email-heckelford chardham (I)gmail.com

Ref: 980014/Client/Pkg-II/323

Date: 17-03-2020

To.

The General Manager (Project) National Highways & Infrastructure Development Corporation Limited, Lane No.1, Upper Bhaktiyana, Opp. G.B. Pant Forestry Institute, Pauri Road, Srinagar, Uttarakhand Email: nhidclddn2@gmail.com

Construction and Upgradation of existing road to 2-lane with paved shoulder from Km.399.000 to Km.430.000 of Karanprayag to Chamoli (Excluding Km. 420.250 to Km.420.500 and Km.423.300 to Km.423.650) of NH-7(Old-58) under Chardham Pariyojna on EPC basis in the State of Uttarakhand (Regarding submission of details of vulnerable slope and muck dump sites)

Reference:

1. Your Letter No. NHIDCL/BOSRN/ALL PKG/2018-19/CORR/D-2908

Dated: 11-03-2020

2. Chief Engineer - RO, Deheradun Letter No. Nil

Dated: 11-03-2020

3. Secretary, Forest & Environment Govt. UK DO No. 05/X-3/19/15(104)/2019 Dated: 06-03-2020

Sir.

Kindly refer to your letter dated 11-03-2020 cited at serial (1) regarding the subject enclosing therewith letters dated 11-03-2020 and 06-03-2020 from RO, MORT&H, Deheradun and Secretary, Forest & Environment Department, Uttarakhand cited at serial (2) and (3) respectively wherein the information with regard to identification of vulnerable slopes and muck dumping sites are asked for by undertaking quick survey of the project road.

As a follow up action the inspection of above mentioned Contract Package from Km. 399+000 to Km. 430+000 was carried out on 14-03-2020 so as to see physically all such spots/locations which seem to be vulnerable from slide angle or the dump sites which come under the same bracket along with individual photographs.

Our observations and inferences are listed chainage wise as under seriatem: -

SI. No.	Description	Photographs
1	Vulnerable Slope (Ch. 400+660):- The slope at this spot is observed to be vulnerable on hill side of the project road between above mentioned limits. The composition of slope is characterized by fractured rock/debris which seemingly has slipped from height of about 50 mts.	

"The Infra Advisor" (Ch. Slope Vulnerable 14 411+850 to Ch. 411+900):-The slope material is composed of sandy malba with fractured debris. The slide area hight shall be in the range of about 40 mtrs. and its periphery has vegetation and forest trees Vulnerable Dumping Site (Ch. 15 412+550 to Ch. 412+730):-The toe gabions are at present retaining the dumped mulba but require raising for creation of free board to arrest any roll over of muck. Three nos. of culverts fall within the dumping zone which require widening as well as cascading beyond their outlet on valley side to avoid erosion. **Vulnerable Dumping Site** 16 a) Ch. 415+085 to Ch. 415+110 b)Ch. 415+140 to Ch. 415+194 c) Ch. 415+330 to Ch. 415+420 d)Ch. 415+500 to Ch. 415+600 e) Ch. 415+880 to Ch. 415+977 Five number dumping sites are included within these chainages close bye. Both extending and raising of toe gabions are required for creation of free board to arrest roll over of muck. A culvert at chainage 415+558 is located within the dumping zone and cascading has to be done to

regulate its out flow on valley side.



17 Vulnerable Dumping Site (Ch. 415+980 to Ch. 416+110):-

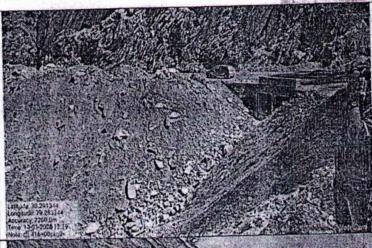
This dumping site is fairly well managed. Two nos. culverts at chainage 416+030 and chainage 416+000 shall require cascading on valley side to regulate its out flow discharge.

18 Vulnerable Slope (Ch. 417+000):-

This disturbed slope on hill side is composed of layered rock with adversed dip of about 45° or more towards project road. However full road formation width has already achieved up to sub-grade level. Although the configuration of slope face is vulnerable, yet at present the toe restraint is in place. An electric tower is located just on top of this slope and exposed vulnerable.

19 Vulnerable Dumping Site (Ch. 419+500 to Ch. 419+600):-

This dumping site is filled up/exhausted and is closed. Two nos. of culverts at Ch. 419+700 and Ch. 419+800 fall within this dump site and require cascading on valley side as antierosion measure for regulating out flow on valley side.



See C. 115-00(1)

The Object of the Object o





Package-1: Rishikesh (km 228) to Rudraprayag (km 368) of NH-58 (old)

Name of Project: Widening and Strengthening / Reconstruction of Exiisting 2-Lane to 2 Lane with Paved Shoulder Configuration from Existing Km 235+615 (Design Km 235+306) to Km 268+000(Design Chainage Km 266+100) of NH-58 in the State of Uttarakhand through an Engineering, Procurement and Construction (EPC) Mode.

S. No	Chainage		Cordinate[Northing & Easting]		Length (in mtr.)	Nearst Dumping Zone	Remarks
	From	To	From	То			
	246+020	246+120	30°07'59" N 78°24'57" E	30° 07'	100	247+170	Proposed
	246+140	246+190	30°07'57" N 78°25'00" E	30° 07'	40	247+170	Proposed
1	257+080	257+180	30°04'07" N 78°27'35" E	30° 04'	100	265+010	
	259+740	259+880	30°03'40" N 78°28'55" E	30° 03'	140	265+010	
	<u> </u>		Total Length		380		

Name of Project: Widening and Strengthening / Reconstruction of Exiisting 2-Lane to 2 Lane with Paved Shoulder Configuration from Km 268.00 to Km 300.00 on NH-58 in the State of Uttarakhand (EPC) Mode.

S. No	Chainage		Cordinate[Northing & Easting]	Cordinate[Northing & Easting]		Nearst Dumping Zone	Remarks
	From	То	From	To			
	266+200	266+800	30°03'39.37" N 78°03'13.85"E	30°03'31.85 " N	600	268+900	Proposed
2	283+200 283+600		30°05'39.26" N 78°34'42.76" E	30°05'41.80 " N	400	287+720	
2	284+900	285+100	30°06'4.81" N 78°34'30.80" E	30°06'13.47 " N	200	287+720	
2	291+300	291+600	30°07'38.74" N 78°35'51.12" E	30°07'43.33 " N	300	291+100	
		To	tal Length		1500		

			Sinkig Zone (Pkg-ii)			Nearst Dumping Zone	
S. No	Chainage		Cordinate[Northing & Easting]	Cordinate[Northing & Easting]			Remarks
	From	То	From	To	1000	No.	
Ē -	283+200	283+600	30°03'39.26" N 78°34'42.76"E	30°03'41.80 " N	400	1	Proposed
	.,	To	tal Length		400		

Name of Project: Widering and Strengthening / Reconstruction of Exlicting 2-Lane to 2 Lane with Paved Shoulder Configuration from Km 300.00 to Km 338.00 on NH-58 in the State of Uttarakhand (EPC) Mode.

S. No	Chainage		Cordinate[Northing & Easting]		Length (in mtr.)	Nearst Dumping Zone	Remarks
10	From	То	From	То			
	298+360	298+750	30°09'8.54" N 78°37'3.47"E	30°09'30.49 " N	390	301+400	Proposed
4	304+100 304+370		30°11'31.47" N 78°38'21.29" E	30°11'38.00 " N	270	308+650	
	305+000	305+100	30°11'50.79" N 78°38'18.18" E	30°11'52.54 " N	100	309+900	
		To	al Length		760		

			Sinkig Zone (Pkg-iii)				
S. No	Chainage		Cordinate[Northing & Eastin	Cordinate[Northing & Easting]		Nearst Dumping Zone	Remarks
	From	То	From	То			
	323+300	323+600	30°12'56.77" N 78°44'40.37"E	30°12'51.18 "N	300	327+000	Proposed
,	323+800	324+100	30°12'45.61" N 78°44'48.40" E	30°12'44.70 " N	300		7.
	-	Total l	ength	•	600		

Reconstruction with Geometric Improvement of existing 2 lane/intermediate lane to 2 lanes with paved shoulder configuration from km 338.000 to Km368.000 of NH-58 in the state of Uttara hand in EPC mode.

Special Protection work against Land slide (Pkg II)

C	Chainage		coordinate (Northing ,Easting)		length	Nearest Dumpig Zone	Remark	
S.no.	From	То	From	То	(mtr)	rearest Bumpig Zene		
6	335+350	335+450	78,50,29 E 30,14,02 N	78,50,45 E 30,14,06 N	100	341+250		
	350+750	350+850	78,55,49E 30,15,08N	78,55,52 E 30,15,11 N	100	351+100		
	356+200	356+800	78,57,53 E 30,16,25 N	78,58,08 E 30,16,34	600	357+300		

vulnerable Slope Details	
Construction of Kaliasaur Bypass having provision of 3 no bridges (182.10m, 250.00m & 162.10m) land 2 lane with paved shoulders configuration & strengthening of NH 58 from Km 349.800 to	
Km 355 495 (Total 3 22Km) in the State of Eletarable and La ERC and a Confidence of the State of Eletarable and La ERC and a Confidence of the State of Eletarable and La ERC and a Confidence of the State of Eletarable and La ERC and a Confidence of the State of Eletarable and La ERC and a Confidence of Eletarable and El	

SLNo.	Vulnerable slope / sinking zone chainage		Length	Co-or	Co-ordinates		COS Notice has	Remarks
	From To		(m)	N I	E	Action taken or needed	been issued to	Kemarks /
1	2 3	4	5	6	7	8	9	
7	345+400	345+600	200	30°14'40.96"	78°54'5.85"	Gabion Wall/Other protection measures needs to be taken.	YES	Contractor is already instructed to submit COS proposal after detail geotechnical investigation.

Package-2: Rudraprayag (km 368) to Mana (km 528) of NH-58 (old)

/No	Name of road	Name of District	Stretch (Km)	Location	Latitude	Longitude	Remarks
8	Joshimath-Mana NH-58 PKG-2	Chamoli	Stabilization of landslide at Hatipahar including construction & upgradation of existing road to 2-lane with paved shoulder from existing chainage Km 489.350 to Km 491.600 (Design chainage Km 471.400 to km 473.675) (Shingdhar Bridge to Vishnuprayag Bridge) of NH-07, (Old NH-58) on EPC mode under improvement to NH connectivity to Chardham in the state of Uttarakhand.(Design length 2.275 Km) (Job No. NH-07(58)-UR-2017-18-531)	471.400 - 473.675	30°33'47"	79"34'01"	Syprotection wks unde progress.
			Construction and upgradation of existing road to 2 lane with	473.810-	30°33'48"	79°33'31"	Proposal for
	1	l	paved shoulder from existing chainage km 491.600 to km	481.175-	30°37'19"	79°33'54"	specialized land slide
9		504.475 (design chainage km 473.675 to km 486.100) of NH- 07 (old NH-59) (Benakuli bend to Mana) Under Chardhgam Programme on EPC mode in the state of Uttrakhand (Package No -02)	485.630- 485.700	30°39'06°	79°31′24″	treatment fwd to CE- RO on 25 Mar 2020. Approval awaited	
4			Construction and upgradation of existing road to 2 lane with	494.480-	30°41'53"	79"30'45"	Proposal for
- 1			paved shoulder from existing chainage km 509.700 to km	501,100-	30°43'42"	79°29'48"	specialized land slide
			528.00 (design chainage km 490.550 to km 507.850) of NH-07	507.580-	30°46'04"	79°29'54"	treatment fwd to CE-
10			(old NH-58) (Benakuli bend to Mana) Under Chardhgam Programme on EPC mode in the state of Uttrakhand	510.200- 510.400 (Existing ch)	30°41'54"	79°30′37°	Proposal for specialized land slide treatment fwd to CE- RO on 09 Apr 2020. Approval awaited

Package-3: Rishikesh (Ch.1.90) to Dharashu Bend (km 144.00) of NH- 94(old)

/No	Service Provinces	Name of District	Chainage From	Chainage To	Side	Length (m)	Height	Reference Chainage	Reference X	Reference Y	Remarks
	Reconstruction with geometric improvment of	Tehri	18+020	18+440	RHS	150+90	45-60	18020	239360.376	3340032.07	Required from-
	existing intermediate lane to					240		18170	239423.062	3340165.473	18+020 to 18+17
	2 lane with paved shoulder							18350	239526.983	3340303.673	& 18+350 to
	configuration from km. 1.95	l —						18440	239548.725	3340389.641	18+440
	to 28.600n (excluding the		20+700	20+900	RHS	200	40-50	20700	240224.263	3341397.562	
	stretch from km 13.800 to km 18.550 of NH-94 in the				MINDS			20900	240037,584	3341414.546	
	state of Uttarakhand (Job.	l —	21+050	21+180	RHS	130	35-40	21050	239928.832	3341475.473	
	No. NH-94-UR-201-17-473)							21180	239978.969	3341584.131	
			22+350	22+550	RHS	200	50-60	22350	240870.839	3341921.441	
		_	1					22550	241044.506	3342008.837	
			23+200	23+300	LHS	100	40-50	23200	241376.238	3342395.333	
11					201111			23300	241454.723	3342429.84	
			23+500	23+600	LHS	100	35-45	23500	241562.04	3342577.756	
								23600	241602.581	3342490.346	
			24+450	24+550	LHS	100	50-60	24450	241946.068	3342857.429	
								24550	241916.526	3342952.445	
			25+400	25+700	RHS	300	50-60	25400	241957.729	3343741.989	
								25700	241740.672	3343922.671	
			26+700	26+780	RHS	80	35-45	26700	242412.324	3344240.698	
								26780	242479.706	3344280.43	
			27+340	27+600	RHS	260	50-60	27340	242669.971	3344695.704	
				The state of the state of				27600	242579.333	3344929.769	
			28+100	28+200	RHS	100	40-50	28100	242698.823	3345349.591	
		Total Length (Lumsum)=						28200	242744.321	3345424.046	
_		roter tength (tumsum)=				1810 M					

No,	Name of Road	Name of District	Name of Work	Chainage	Lattitude	Longitude	Remarks
	Rishikesh-Dharasu	New Tehri	Reconstruction with geometric improvment of existing intermediate	29.76 to 29.82	30°13'19.24"	78"19'53.05"	Proposal for
	NH-94		lane to 2 lane with paved shoulder configuration from existing km	30.64 to 30.74	30°13'41.96"	78°20'04.84"	specialized land slide
- 1			28.600 to km 59.420 (design chainage28.320 tokm 58.603) of NH-94	35.00 to 35.10	30°14'27.70"	78°21'12.52"	treatment fwd to CE
			in the state of Uttarakhand (Job. No. NH-94-UR-201-17-491)	38.24 to 38.36	30°15′14.43″	78°22'08.71"	S/protection wks unde progress.
22				38.36 to 38.50	30°15'18.42"	78°22'08.69"	Proposal for
2				39.46 to 39.54	30°15'40.36"	78°21'51.80"	specialized land slid
- 1				40.46 to 40.51	30°15'55.83"	78°21'53.08"	treatment fwd to CE
- 1				43.50 to 43.68	30°17'01.16"	78°22'05.52"	RO on 19 Feb 2020 Approval awaited
	1			44.22 to 44.26	30°17′19.80"	78°21'55.04"	
	1			45.90 to 46.10	30°17'44.80"	78°21'08.01"	
				52.615 to 52.70	30°19'48.73"	78°22'30.18"	
- 1		New Tehri	Rehabilitation and upgradation of Rishikesh-Dharasu road (NH-94)	62.90 to 62.98	30°21'21.29"	78°23' 25.49"	Proposal for
13			with 2-lane with paved shoulders from design chainage km. 58,603 to km. 58,853 (existing Chainage km. 59,420 to km. 59,650), from Design Chainage km. 61,630 to km. 63,950 (existing chainage km. 62,630 to km. 65,000) and new construction of 2-lane with paved shoulders Chamba Bypass of design length 2,035 km. including 440m long tunnel on EPC Mode under improvement to NH Connectivity to Chardham in the State of Uttarakhand (Design length 4,605 km) (Job No. NH-94-UR-2017-18-533)	63.31 to 63.39	30°21'30.64"	78°23' 27.22"	specialized land slid treatment fwd to CE RO on 20 Feb 2020 Approval awaited
			Proposal of rehabiliation and upgradation of road Rishikesh-Dharasu (NH-94) with 2-lane with paved shoulders from km. 76.00 to km.	75.20 to 75.40	30°40'49.29"	78°41'48.51*	Slope protection works in progress
			110.00 (Design chainage from km. 74.733 to km. 107.347 including	78.54 to 78.72	30°41'41.12"	78°41'61.93"	Proposal for
			constrcution of Kamand re-alignment from existing Chainage km.	80.73 to 80.83	30°42'35.45"	78°40′68.83"	specialized land slid
			105.200 to km. 108.600 (design chaiange km. 103.436 to km.	88.00 to 88.08	30°44'21.72"		treatment fwd to CE
			105.949 - length 2.513 km) and land slide treatment work between	88.20 to 88.30	30°44'27.95"	78°38'28.21" 78°38'41.11"	RO on 18 Feb 2020
14			design chainage km. 73.800 to km. 74.000 (200 m) on EPC mode under improvement to NH Connecitivity to Chardham in the State of Uttarakhand for total project cost of Rs. 281.37 Cr. (Design Length 32.614 kms.) (Job No. NH-94-UR-2017-18-527)				Approval awaited
	Rishikesh-Dharasu	New Tehri	December of sub-phillipping and accordate to 0 loss with a cond	121.340 to	200520124 0#	7090 4105 05	Description
	NH-94	New Tenn	Proposal of rehabilitation and upgradation to 2 lane with paved shoulder configuration for design Chanage km. 107.347 to km.		30°53'31.6"	78°34'35.2"	Proposal of specialized land slid
	1411-94		129.208 & km. 133.878 to km. 138.570 (existing chainage km.	122.15 to	30°53'31.8"	78°34'02.5"	treatment fwd to Cl
	1		110.000 to km. 133.020 & km. 137.330 to km. 142.028) excluding	125.32 to	30°55'34.3"	78°33'61.9"	RO on 08 Apr 2020
- 1			Chiniyalisaur bypass and land slide treatment at existing km. 138.500	126.50 to	30°55'57.7"	78°32'82.7"	Approval awaited
-	81111 1 81		(Design chainage km. 134.970) on Rishikesh - Dharasu seciton of	128.230 to	30°55'56.7"	78°32'34.3"	
	Rishikesh-Dharasu	Uttarkashi	NH-94 on EPC mode under improvement to NH connectivity to	135.67 to	30°61'20.7"	78°31'48.2"	Slope protection
5	NH-94		Chardham in the State of Uttarakhand for total project cost of Rs.	135.87	000071401	700401401	works in progress
			356.13 Crore (Length -26.553 km.) (Job No. NH-94-UR-2017-18-526)	138.320 to 138.520	30°37'43"	78°19'48"	Proposal of CoS for shifting alignment on valley side to preven hill cutting and triggering of land slid submitted to CE-RO 31 Mar 2020
		Pa	ckage-4: Dharasu (Ch.124.00) to Gangotri (km 0.00) o	of NH- 108(ol	d		
No.	Name of Road	Name of District	Name of Work	Chainage	Lattitude	Longitude	Nemarks
T			Rehabilitation and upgradation of Gangotri-Dharasu (NH-108) to 2- lane with paved shoulders from Km 101.06 to Km 10.860 (Design chainage from Km 87.730 to Km 97.400) on EPC finde under improvement to NH connectivity to Chardham in the state of Utta khand. (Job No. NH-94-UR-2017-18-535)	108.063 to 108.255	30°43′23°	78°21'19"	Proposal of specialized land slit treatment fwd to CE RO on 31 Mar 2020
			Ollaria Tana. (300 No. N/1-94-0N-2017-10-053)				Approval awaited

Package-4: Dharasu (Ch.124.00) to Gangotri (km 0.00) of NH- 108(old)

il. No.	* Name of Road	Name of District	Name of Work	Chainage	Lattitude	Longitude	Remarks
		9	Rehabilitation and upgradation of Gangotri-Dharasu (NH-108) to 2- lane with paved shoulders from Km 101.06 to Km 110.860 (Design chainage from Km 87.730 to Km 97.400) on EPC mode under improvement to NH connectivity to Chardham in the state of Uttarakhand. (Job No. NH-94-UR-2017-18-535)	108.063 to 108.255	30°43'23"	78°21'19"	Proposal of specialized land slide treatment fwd to CE-RO or 31 Mar 2020. Approval awaited
		Uttarkashi	REHABILITATION AND UPGRADATION OF GANGOTRI-	120.830 to	30°38'41.45"	78°19'39.78"	Proposal of specialized land
15 Gan	Gangotri-Dharasu NH-108		DHARASU (NH-108) TO 2-LANE WITH PAVED SHOULDERS FROM KM 110.86 TO KM 124.00 (DESIGN CHAINAGE FROM KM 97.400 TO KM 109.400) ON EPC MODE UNDER IMPROVEMENT TO NH CONNECTIVITY TO CHARDHAM IN THE STATE OF UTTARAKHAND (Package No -04)	122.140 to 122.260	30°38'41.45"	78°19'39.78"	slide treatment fwd to CE-RO or 30 Mar 2020. Approval awaited
			Land slide treatment of Nalupani from km. 123.080 to km. 123.970 on NH-108 under Chardham Pariyojna in State of Uttarakhand on EPC mode under	= (*)	30°38'30.53"	78°19'37.92"	Area .28 Ha dumping Zone 1
			improvement to NH Connectivity to Chardham.	121	30°38'28.95"	78°19'40.58"	Area .375 Ha dumping Zone 2
			Land slide treatment of Barethi from km. 100.300 to km. 101.060 on NH-108 under Chardham Pariyojna in State of Uttarakhand on EPC mode under improvement to	(2 %	30°43'57.50"	78°24'33.73"	Area .28 Ha dumping Zone 2
- 1			NH Connectivity to Chardham.		30°44'05.77"	78°24'37.80"	Area .678 Ha dumping Zone 3
			_		30°44'16.21"	78°24'30.21"	Area .027 Ha dumping Zone 3

Package-5: Dharashu Bend (km 144) to Yamunotri (km 220) of NH- 94(Existing/old chainages)

Sl. No.	Name of Road	Name of District	Name of Work	Chainage	Lattitude	Longitude	Remarks
					30°44'28.040"	78°15'28.380"	
			Construction, Operation and Maintenance of 2- lane Bi-				
16	16 Dharasu bend to Yamunotri	Uttarkashi	Directional Silkyara Bend- Barkot Tunnel with escape passage including approaches on Dharasu- Yamunotri Section Between ch. 25.400 km and Ch. 51.00 km falling	-	30°47'55.900"	78°14′20.380″	
			along NH-134 (old NH-94) in the State of Uttarakhand		30°44′55.810°	78°13'50.360"	

Name of the work: Rehabilitation and up-gradation to 2-Lane with paved shoulder configuration from existing Km. 122.00 (Dharasu Bend) to Km. 147.23 (Silkyara Bend) (Design Chainage Km 0.00 to Km 24.30) of NH-94 in the state of Uttarakhand on EPC mode under improvement of NH connectivity to ChardhamName of the work

_			List of Vulnerable slopes(Land S	Slide sites)			
No.	Location		Chainage	Length (m)	GPS	Location	7,000,000
	TO SANCTON CO.	From	То		North East		Remarks
_			Provision in Contract				
	Near km 0+750	0+520	0+720	200	30° 37' 35.35"	78° 19' 36.45"	
17	Near km 1+500	1+450	1+700	250	30° 36' 18.88"	78° 17' 45.02"	
	Near km3+000	3+030	3+280	250	30° 37' 34.31"	78° 18' 56.74"	
			The state of the s	700		70 10 50.74	
_			New Land slide sites				
	Upper Primary School, Bindhula near Sila Gaon	5+700	5+800	100	30° 38' 41.35"	78° 18' 25.5"	Proposals to be submitted
	Kalyani Market	7+000	7+300	300	30° 39' 3.69"	78° 18' 4,89"	Proposals to be submitted
	Near Harethi Village	8+875	8+975	100	30° 39′ 38.21″	78° 18' 10.49"	Proposals to be submitted
	Talog Village	16+900	17+050	150	30° 42' 28.8"	78° 17' 34.22"	Proposals to be submitted
	Shivgufa	20+020	26+100	80	30° 43' 45.97"	78° 16' 47.62"	
	Total Length	(m)	20-100	730	30 43 43.97	78- 16- 47.62	Proposals to be submitted

Packag e No	S. No.	Name of Project	Description of Vulnerable Items	Chainage	Coordinates	Remark
. 18	1	Rehabilitation and up gradation of 2 lane with paved shoulder from existing km. 172.900 (Paulgaon) to km. 194.150 (Paligaad) (Design Chainage km. 49.300 to km. 70.300) on Dharasu to Yamunotri	Slope	Km 50.830	30° 47' 57" N 78° 13' 47" E	Adjoining to our ROW affected due to hill cutting
	2	Road of NH-134 (Old NH- 94) in the state of Uttarakhand under EPC mode under	Slope	Km 55.130	30° 48' 53" N 78° 13' 24" F	Adjoining to our ROW
	3	improvement to NH connectivity to Chardham	Muck Dumping Zone	Km 66.330 to Km	30° 51' 48" N 78° 17' 46" E	Sinking zone due to erosion at the bottom of
	4		Slope	Km 68.075 to Km 68.175	30° 52' 26" N 78° 18' 06" E	Do
- 1	5	77	Slope	Km 68.750 to Km 68.850	30° 52' 16" N 78° 18' 11" E	Existing Road Sinkage towards Yamuna river side

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Package-6: Rudraprayag (km 0.00) to Gaurikund (km 76.00) of NH-109 (old)

Widening and strengthening of exiting intermediate/ 2 lane with paved shoulder configuration From Km 0.000 (Design Km 0.000) to Km 16.440 (Design Km 18.700) including existing 3.470 Km Rudraprayag Bypass of NH109 in the State of Uttarakhand on EPC mode.

SI.No.	Vulnerable s	slope / sinking zone chainage	Length	Co-or	linates	Action taken or needed	COS Notice has	Remarks
31.110.	From	To	(m)	N	E	Action taken or needed	been issued to	1
	0+180 0+300 (R/H Hill Side)		120	30°16'56.69"	78°58'7.99"	Special treatment is required after detailed study	YES	For immediate measures gabion wall is done up to 12 mtr height.
19	2+130	2+260 (B/S DFO)	130	30°17'15.14"	78°58'25.19"	Special treatment is required after detailed study	YES	At Hill side gabionprotection work is completed. 2. At Velly side partially gabion work is done.
	13+000	13+450 (R/H Hill Side)	450	30°21'46.12"	78°58'45.84"	Under Observation	YES	After removing loose mass/scaling no further landslide observed it is still under observation.

Reconstruction with Geometric Improvement of existing single/Intermediate lane to 2 lane with earthen shoulder configuration from existing km. 16.545 to km. 33.130 & Km. 41.260 to km. 57.975 (Design chainage 18.700 to km 35.130 & km 47.700 to 63.700) excluding khat village from km. 53.425 to 55.530 (Design chainage 59.390 to km 61.150) of NH-109 in the state of Uttarakhand on EPC Mode under improvement of NH connectivity to Chardham.

SI.No.	Vulnerable sl	ope / sinking zone chainage	Length	Co-ore	dinates	Action taken or needed	COS Notice has	Remarks
SI.No.	From	To	(m)	N	E	Action taken or necueu	been issued to	/
1	2	3	4	5	6	7	8	9
1	28+900	29+300	400	30°15'57.24"	79°2'36.60"	Special treatment is required after detailed study	YES	Sliding zone at Banswada. Height of embankment & steep slope upto 60 mtr is there For immediate measures gabion wall work is in progress up to 8 mtr hight.
2	30+100	30+500	400	30°16'22.08"	79°2'36.96"	Special treatment is required after detailed study	YES	Sliding zone at Banswada. Height of embankment & steep slope upto 65 mtr is there For immediate measures gabion wall work is in progress up to 4 mtr hight.
3	34+000	34+200	200	30°17'29.04"	79°3'2.52"	Special treatment is required after detailed study	YES	Sinking zone at Kakdagad. For immediate measure vulnerable slope has been protected by providing gabion wall upto 8 ntr height.
	Vulnerable slo	ope / sinking zone chainage	Length	Co-or	dinates		COS Notice has	Remarks
SLNo.	From	To	(m)	N	E	Action taken or needed	been issued to	1
1	2	3	4	5	6	7	8	9
4	48+940	49+020	80	30°19'9.48"	79°3'0.12"	Special treatment is required after detailed study	YES	Sinking zone at Nala.
5	53+290 53+600		310	30°19'57.36"	79°2'17.16"	Special treatment is required after detailed study	YES	Sinking zone at Devidhar.
6	54+630	55+300	670	30°19'57.72"	79°1'59.28"	Special treatment is required after detailed study	YES	Sinking zone at Byungad, Khumera.

Sliding sone at Jamu. Height of embankment & steep slope upto 20 mtr is there Land slide continue and uner Observation.	KES	Special treatment is required after detailed study	"80°55,0 _° 62		0ε	0\$0+£9	010+69	8
Sliding zone at Khumera. Height of embankment & steep slope upto 45 mtr is there For immediate measures gabion wall work is completed up to 8 mtr hight.	KES	Special freatment is required after detailed study	"\$E.E2'1°97	9L'ES.61₀0€	007	00E+SS	001+\$\$	L

Construction of Kund Bypass from Existing Chainage Km. 33+130 to Km. 41+260 (Existing Length - 8.130 Km.), Design Chainage Km. 35+130 to Km. 47+700 (Design Length - 12.570 Km.) of NH-109 (New NH - 107) in the State of Uttarakhand on EPC Mode.

/ 01 D	peen issued	Action taken or needed	Е	N	(w)	οT	From	ONTS
6	8	L	9	S	7	£	2	1
Sinking Zone at Lwara.	YES	Design Required	"23.E2'60 °97	30°30'29.91"	09	45+550	45+490	+ +

Reconstruction with Geometric Improvement of existing single/Intermediate lane to 2 lane with earthen shoulder configuration from existing Km. 57.975 to km. 68.600(Fata to Sitapur) on NH-109 (New no 107) in the state
Uttrakhand under EPC Mode.

Ке татка	COS Notice has	Action taken or needed	inates	Co-ord	digns.1	e / sinking zone chainage	Vulnerable slop	-A IS
1	been issued to	DADAM TO HAMPI HODAY	Е	N	(w)	οT	From	ON'IS
6	8	L	9	S	P	£	ι .	1
Sliding zone at Chandikadhar. Height of embankment & steep slope upto 50 mtr is there For immediate measures gabion wall work is completed up to 8 mtr hight	KEZ	Special slope protection Treatment for Sliding	"E0698"L†.I°6L	30°35'28,887793	os	094+59	014+59	1
Sliding zone at Chandikadhar. Height of embankment & steep slope upto 45 mtr is there For immediate measures gabion wall work is completed up to 8 mtr hight.	KES	Special slope protection Treatment for Sliding	#E9220.34±1°97	30°35'30.23236	01	095+59	075+59	7
Siding zone at Sersi. Height of embankment & steep slope upto 45 mtr is there Land sliding continue.	YES	Special slope protection Treatment for Sliding	191E†'SS.0 ₀ 6L	LEE69'74.9E°0E	OEI	086+69	0\$8+69	ε
Sinking zone at Rampur.	AES	Special treatment for Sinking zone	"6084.92806"	30°37'8.2794"	150	0ZS+1 <i>L</i>	00+11	Þ

				THE RESIDENCE IN	TAKE OF YOUNG RABLE SCOPES							
709 P300	Reconstruction with powerfric in	provision of existing 2 insufator module long to These	and pared should need by	er paless Proces and	other less. 52.200 to less 92.6	80 of NH-125 in the State of Ultarald	hand under EPC mode under imp	prevenient of NII connect	tivity to Chardham	(Job No. NH-125-U	R-2016-17-484)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			The second secon	A HEADY	Slope				GPS Location	of Vulnerable	Kenada	
Project No. Not. Street	Challenger 1	Lampth in (Mintre)	Volume take 12	March Co. C.	Latitud	•		Longitude		siepes/Muck dump(Lettitude 8		Remarks
(Neme) and Chainag		The state of the s	Mapon Cornillon	44	I min.	500.	deg	min.	HAC.	Earting	Northing	
7,070,000,000		MERCHANICA NOR A PERSONAL PROPERTY AND A PERSONAL PROP	65+250	Description 10		18.85	80	3	29.94	3023654.425	411643,098	Hill Side As per Agreement
25-120000	EM 61+230 70 60+330		654330	Description 29		19.68	86	1	37.80	3223710.414	411720,755	The second control of
170000	00K+990 CT/ 000+99 MCE	200	66+000	39		39.13	30		33.93	3224302.719	401723.873	Hill Side As per Agreement
1/10/05/05	EW 644 GO TO 864 KD	ECC VI	66+300	29		33.34			51.83	3224336.015	410621.165	Hill Side As you Agreement
Dect/900000	EX (#H40) TO (7H1) 150 (H10) 27 1 1 150 (H	4.0	3224653.938	410179 430	Hid labels for Agrantiers							
11/3/0/80/80	Control of the Contro		70-(10	29		27.69		1	21.04	3227646.717	411433.363	HIE SideAs per Agreement
1000	XM 754820 TO 264000	200	75+630	26	- 1	15.40		1	143	3127577.491	411248.218	had seemed but vigoration
1 1000000		100	76+929		1401			40.16	3220068,188	411960,793	INE Side As per Agreement	
7-1, 9, Turniper To Sell: and 52+380 to 92+880	EM 81+500 TO 81+430		#1+530 #1+630	27	11 1512 8	- 10		36.59	3229641.722 411864.361	the least of the region in		
Med 32* 200 to 92+680	The state of the s		83+600	- 27	- "	39.36	100	- 5	47.45	3229846.953	412169.121	Hill TideAs per Agreement
2139693	KM 85+800 TO 85+790	150	E3+750		111	0.0		3	45.77	3229984.331	412119.466	
1300000	The second second second second		99+636	29	- 0	33.46	. 80	3	30.21	3230310.095 408-600.803 1020 Sale-As per	162 Side As per Agreement	
1.15110	KM 99+430 TO 91+600	400	91+030	29	12	4.05	80	3	32.81	3230637,526	406263.543	
-0.00	COLUMN TO LOCAL TO LAND TO LAN	130	67+420	29		16.94	. 10		13.47	3223623.998	411203.760	Hill Side Additional Requires
	E34 47+429 713 47+548	130	67+540	79		24.32	. 80		9.84	3225704.783	411113.647	
	A TOTAL CONTRACTOR OF THE PARTY	130	78+480	29	ii.	3.98	80	-	7.41	3228166.334	411073.827	163 SideAdditional Require
	KOM 79+460 TO 79+400	1,00	75+600	29	11	7.51	NO		7.64	3228875,290	41108si.538	1500 Metre
	ASSESSMENT OF THE PROPERTY OF THE PARTY OF T			Total Length A	la per Agreement							260 Metre

Reconstruction with geometric Improvement of existing single/intermediate lane to 2iane with paved shoulder configuration from existing km. 92.880 to km 121.550 (design chainage km 91.550 to km 120.455) of NH-125 in the State of Uttarakhand under EPC mode under improvement of NH connectivity to Chardham (Job No. NH-125-UR-2016-17-492)

SI, No.	Project Na, NH, Struck (Name) and Chalange	As per Agreement Charlesp	Lough in (Marry)	Location	CPS location of Victorialis ringer/Muck desage (Latitude & Longitude) (Front)				PS location of Vulnerable singen Minck sharp (Letitude & Leagtinude) (To)		Longth in (Metro)	Lecation	GPS location of Vulnerable dependents dump (Latitude & Longitude) (Frem)		Addition al Required Chalesge	GPS lucytion of Visionrable slopes/Muck demp (Lettlede & Longitude) (To)	
	-	From			(Northine)	(Eartine)	Te .	(Northing)	(Earling)	From			(Northins)	(Eastern)	Ie.	(Horthins)	(Entition)
1		12+239	130	Belichet	3232913.561	407716,738	92+500	2222007,532	497837,883	111+590	159	Dhose	3230146,911	412476.888	111+790	3238227.978	412492.975
1	-	103+479	100	Smale	3236385.254	4085Bi 66	183+279	3236395.703	406493,136	104+900		Simple	2236952,936				409327.27
3	-	110+680	IN	Dhoun	3237383.992	412322.437	130-533	3237490.410	412383,156	94+790	. 90	Ammi	3232910,603	4338.140	94+670		407385,207
7	-	111+00	- 9	Dhoun	3237661-652	412383.462	111+030	3237682.491	4(247.2)7	192+339	150	Jeesla	2236371,174	A09400E+22	197-799	JIMM6.291	409286.42
1		111-200		Chesan	3230051.816	412463.089	111+550	3238097.816	412461.623	106+700	700	Swale	3237212.705	415259,259	106*700		410423.52
4	7-2, 9, BELKHET TO	111:200			T PROPERTY AND ADDRESS OF THE PARTY AND ADDRES					101+170	139	[leads	3225679.545	408778,104	101+300	3235683.964	409100.683
1	CHAMPAWAT and EM									107+760	10	Dhoyn	3237239,660	410546,763	107+830		
	93+890 TO 121+550									\$2+600	150	Belkhet	3232017.785	407933.987	92+739	1232129.340	409032.26
•	(DESIGN CH 91+939 TO									94-980	. 99	Ameri	3233090,436	407442,541	95+679	3133138.668	407308.67
10	130-645)									96+230	60	Ameri	3233472.564	409255.917	96+292	3233451,244	408312.07
										F2-900	102	Selbbet	3232252.923			2232100.000	406150,683
-										100+940	132	Senie	3235354.674	406275.249	100+172	373480,680	400290.24
										206+490	81	Senia	323727A.766	410033.38	126+361		
-										112+628	100	Dhesn (COS)	2238850,875	412732.884	112+720	3236740.687	412348.60
-	Total Length	As per Agranaus			T				72	Additional Required	1405.00			100000000000000000000000000000000000000			100000

Reconstruction with geometric improvement of existing 2 lane to 2 lane with paved shoulder configuration from existing km. 126.730 to km 135.075 & existing km 143.750 to km 163.000 (Tanakpur-Pithoragarh project road) on NH-125 in the State of Uttarakhand under EPC mode under improvement of NH connectivity to Chardham (Job No.

	ject No., NN, Struck	As per Aggressent Chalmage	Length	Vuinerable	Slope		GPS Location of Vi	uinershie slopes/Muck dump (Lath:	de & Longitude)	Langitude	_	Remarks	Additional Required Chainage	Length	Vulnera	Stope		ethude		Lengt	itude	
the	area) and Chainege	As per Aggressert Chainege	Langin	slopes Location	Deg.	Deg.	Min.	Sec	Deg.	Min.	Sec.			100000	slopes	Deg.				Deg. Mi		
T		145+160 to 145+196	30	enarodaktuan	71	29	26	9.80	20	3	M6,47	As per Agreement	1281-420 to 1281-470	*	Tilon	62	29		1000	80	5 30.8	" A
		140+40 to 140+400		New GUNCO	71	29	26	46	80	5	36.60	As per Agreement	126+516 to 128+570		Tilon	57	3	-	1000	80	3 27.7	-
		155+980 to 154+018	20	Normal head breakets.	10	29	27	49.65	10	4	40.77	As pur Agreement	128+640 to 128+680	*	Tilen	45	29	31	10.11	80	5 23.6	-
		138+645 to 138+485	42	Shartoti	73	29	31	55.79	80		10.14	As per Agreement	(29+750 to (29+790	30	Tilon	73	29	н		80	3 20.6	
		162+100 to 162+130	30	lastipo	36	29	29	53,02	80	5	37.13	As per Agreement	144+120 to 144+150	30	tarydaktus	35	29	23	7000	M :	5 28.7	
			21									-	149+500 to 148+500	20	cur (X.MC)	41	29	26			5 26.6	9
1	Package No. 7-63, Iconstruction with											-	140+670 to 140+770	100	ow OUMO		29	26	-		4 141	-
exis	trattle improvement of ing 2 lane to 3lane with											1	152+380 to 152+350	30	Khulka	- 21	-	D.	_		-	-
pere from	shoulder configuration existing law, 126 750 to											1	152+40 to 152+500	50	Kindu	-	29	27	-		4 78.0	-
1	135.075 At extisting loss (0.750 to loss 143.000											-	152+576 to 152+750	**	Kholks		29	27				-
proj	analpor-Pithoragath ext med) on NH-125 in											-	152+920 to 152+980	-	Khulke		1000		-	-		+
w	State of Uttankhand der EPC mede under												154+390 to 154+410	30	hotel bankete.	.50	29	217	41.65	м .	4 #3	1
-	reprovement of NH nectivity to Chardham											[155+060 to 155+090	30	Sentile	41	29	27	35.86	ю :	5 697	4
Chie	No. NH-125-UR-2014- 17-485)												135+650 to 135+740	90	Sentola	45	29	27	41,46		5 16.5	-
													155+940 to 136+010	70	Santrila	67	29	27	50.21	30	5 169	-
												1	157+920 to 157+950	30	Marteli	4	29	28	0.39	80	5 30.0	8
													1 50+500 to 150+610	×	Chronesi near cetaj hotal	45	29	29	874	80	5 21.1	0
													142+200 to 142+260	40	Inadipo	er	29	29	51.00	90	5 53.1	10
													162+450 to 162+485	30	isadpo	0	29	29	57.40	m	1 0	
												1	142+640 to 142-640	30	Sadpo		29	30	0.91	200	1 11	26

Reconstruction with geometric improvement of existing single lane to 21ane with pavel should	onfiguration from existing km 163,000 to 194,800 (design chainage 160,880 to km 192,320) of NH-125 in the State of Uttarakhand under EPC mode under improvement of NH connectivity to Chardham (Joh No. NH-125-IIR-2016-17-190)
, and a supplemental to a state with partie should	Amiguration from existing km 163,000 to 194,800 (design chainage 160,880 to km 192,320) of NH-125 in the State of Uttarakhand under EPC mode under improvement of NH connectivity to Chardbarn (Joh No. NH-125 I/D 2016, 17,400)

CHAINA	AUE	LOCATION NAME	LENGTH	PROJECT NO,NH, STRETCH	CHAINAGE	LOCATION NAME	LENGTH	VULNERABLE SLOPE LOCATION	SLOPE	GPS LOCATION OF VI			N OF VULNERABLE SLOPE / MUCK DUNE	REMAÑ
161600 - 1		200000000000000000000000000000000000000		CHURANI to	85000000000			191.920	57 °14' 19"	EASTING 3270408.679	NORTHING	EASTING	NORTHING	
161500 to 1	101000	Near Churani	100	Pithoragarh	191+920 TO	Toli Road near Dhamoura	65.624	191,928	41" 2748"	The latest desired to	423157.79	3270393.806	423134.676	VILLYS
_				(160+880 TO	191+876			191.876		3270404.916	423167.978	3270388.607	423153.609	VILLYS
				CHURANI to	92-92-95			191.920	16 29 19	3270345.21	423169.953	3270325.665	423175.734	VILLY SI
165410 to 4	463310	near Timta bend	100	Pithoragach	191+920 TO	near petrol pump	100,227	191.954	58 ".407.24"	3270445,568	423138.004	3270448.325	423133.474	Hill sid
				(160+880 TO	191+988	CONTRACTOR OF THE CONTRACTOR O	10000000	191,988	50 * 17 17.4"	3270436.557	423146.715	3270418.204	423168.813	Hill sid
				CHURANI to					1*173.25*	3270419.557	423174.095	3270352.677	423175.642	Hill sid
170400 to 1	170500	Near Mena Bajar	100	Pithoragarh	190+800 TO	manjubula House	34.94	190.800	27 44 39.73	3270203.971	422689.459	3270223.682	422679.689	Hill sid
				(160+880 TO	190+776		24.34	190.776	34' 36'20.43 '	3270212.584	422677,075	3270227.285	422666.936	Hill sic
		Security Co. Co.		CHURANI to	19000000000			190.776	2° 58' 36.12"	3270218.019	422657.467	3270221.303	422657.639	Hill si
179850 to 1	179950	Near tappar	100	Pithoragarh	190.150 TO	Hansman Mandir Lampata	71.94		76" 14" 40.62"	3269904.354	422268,121	3269897.532	422240.252	Hill si
		CONTRACTOR OF THE PROPERTY OF		(160+880 TO	190+198	Total Canada	71.34	190.174	86" 44" 3"	3269869,372	422250.613	3269868.599	422237.066	Hill si
				CHURANI to				190,198	57" 17 20.25"	3269837.714	422242.544	3269843.094	422234.168	Hill sic
				Pithoragarh	186+050 TO			186.050	28° 0' 46.72°	3268318.737	419748.133	3268334.109	419739.95	Hill si
				(160-880 TO	186-188	simorra	136.486	186.096	63" 36' 20.92"	3268266.73	419721.879	3268272.825	419709.595	Hill sid
1				192+326)	=10000000			186.142	75* 46' 20.99*	3268243.132	419674.371	3268249.025	419697.611	Hill sid
				CHURANI to	-			186.188	55° 26'40.6°	3268193.17	419694.642	3268188.981	419688.561	Hill ni
				Pithoragarh	185+917 TO	almost c	*****	185.917	80° 50' 36.46°	3268064.376	419684.208	3268061.727	419667.774	Hill ei
				(160+880 TO	185+847	nirmorra	105.565	185.882	53" 18: 29.25"	3267994.147	419678.621	3267982.86	419663.47	Hills
				1034330)	V=9/07=97			185.847	59" 34" 42.9"	3267958.833	419682.075	3267953.363	419672.76	Hills
				CHURANI to Pithoragarh	185+620 TO	Igardevi Naveen pandey		185.620	21° 21' 19.79"	3267715.304	419696.807	3267713.721	419697.426	Hills
				(160+880 TO	185+576	House	63.899	185.598	77° 27' 56.87"	3267742.038	419691.237	3267742.482	419693.234	Hille
				102+3200	- MANAGEMAN	1,000	1.50000.70	185.576	3" 15' 44.39"	3267778.411	419686.78	3267764.572	419687.571	Hill e
				CHURANI to	185+520 TO	Commence of the	Marrie e	185.520	14" 50" 32.02 "	3267554.741	419694.672	3267540.329	419698.486	Hill •
				Pithorsgarh (160+880 TO	185-422	Igyardevi	145.281	185,471	88° 3' 58.71"	3267622.427	419708.68	3267623.452	419739.639	Hill o
				102+330	102.742			185.422	84° 34' 0.73"	3267687,013	419693.057	3267686.297	419700.585	Hill a
				CHURANI to				179.10	78° 25' 26.39"	3265715.07	416343.888	3265711.078	416324.399	Hill si
				Pithoragarh	179.100 TO 179+056	dhansia	66.447	179.078	80° 41' 51.18 °	3265679.252	416348.675	3265683.984		
				(160+880 TO	1791036			179.056	68° 32' 28.02"	3265649.402	416354.035		416319.788	Hill si
				CHURANI to	Volume Strong			176,550			THE RESERVE OF THE PARTY OF THE	3265658.42	416331.097	Hill o
				Pithoragarh	176+550 TO	chapket	46.97	176.534	51° 37 44.5°	3265375.797	415848,271	3265360.162	41586E.012	Hill si
				(160+880 TO	176+518				68° 32' 28.02"	3265392.947	415848.826	3265367.582	415907.354	Hill si
				103×230)				176.518	62° 23' 23.53°	3265419.018	415866.66	3265385.555	415930.638	Hill a
				CHURANI to Pithoragarh	170+290 TO			170,290	30° 40′ 45.9°	3263686.702	415645.094	3263660.935	415660.386	Hill si
				(160+889 TO	170+176	Dilli bend	113.984	170.252	18" 40" 30.91"	3263704.18	415682.11	3263660.711	415696.801	Hills
				192+320)		To the same of the		170.214	18" 40' 30.91"	3263722.982	415717.937	3263714.325	415719.715	Hills
				CHURANI to				170.176	19" 44'53.3"	3263744.095	415743.575	3263710.622	415755,577	Hill s
				Pithoragarh	168+580 TO			168.580	33" 42" 11.84"	3262647.967	415965.838	3262658.841	415973,263	Hills
				(160+880 TO	168+626	Ghat Bond	67,657	168.603	3° 56' 49.75"	3262670.243	415942.105	3262687.564	415943.304	Hill e
				107+230)				168.626	15° 0' 9.78"	3262683.283	415908.13	3262700.261	415903.574	Hills
				CHURANI to Pithoragarh	167+350 TO	Ghat Pul	5.103	167.350	76" 56" 56.89"	3263343.661	415262.195	3263332.871	415308,742	160 •
					167+355	0.211.0	3.103	167.355	76° 46' 49.75"	3263378.844	415267,298	3263371.341	415299.237	Hill
				CHURANI to	165+090 TO	A Section Control of	- Charleson	165.090	49" 14" 11.02"	3263074.808	414301.184	3263094.252	414323.73	Hills
				Pithoragarh (160-#80 TO	165+186	Timta Bend	142.318	165.138	41° 1'23.77"	3263101.835	414215.445	3263135.14	414244.421	160 4
				103+330	Committee.			165.186	43" 28" 15.27"	3263125.289	414168.12	3263170.41	414210.879	1101 a
				CHURANI to	164-275 TO	TOTAL STREET		164.275	70° 18' 2.54"	3262846.09	414911.515	3262848.933	414919.456	1681 a
				Pithoragarh	164+311	Madan Hotel	53.268	164.293	18° 46' 40.92"	3262855.748	414890.224	3262860.653	414891,89	16H s
				(160+880 TO	104-511	Z HALL SAME		164311	3° F 53.15°	3262877.644	414868.599	3262899.274	414891.89	Hills
				CHURANI to	12021200000			163.900	41° 55;25.82°	3263036.408	414657,799	3263050,375		
				Pithoragarh	163+900 TO 163+974	NearTej singh HOUSE	110.115	163.937	27" 44" 39.73"	The state of the s		The same of the sa	414670.345	Hills
				(160+880 TO	163-974			163,974		3263018.461	414707.96	3263024.941	414711.369	160 4
				CHURANI to	7801 MGT/	The second secon	2000000	183.059	72" 30" 44,83"	3262986.081	414736.194	3262987.903	414741.977	1631
				Pithoragarh	185-059	Igardevi near toli road	14.839	185.059	84° 34'21.05"	3267250.259	419607.759	3267252.151	419627.673	Hills
								183,074	65° 0'18.16"	3267263.008	419615.353	3267267.873	419625.79	Hill sid

361.867 mtr 582.833 mtr



:0135-2455383

.0135-2455303, 2455304

:bro-svk@nic.in

Headquarters Chief Engineer Project Shivalik Pin 931 718 C/O 56 APO

85000/HPC/ 36 /EPC Cell

24 Sep 2020

HQ DGBR/EPC Cell Seema Sadak Bhawan Ring road, Delhi Cantt New Delhi – 110010

Subject: Hon'ble Supreme Court's order dated 08.09.2020 in the M.A. 1449/2020 and 08.08.2019 in the matter of Citizens for Green Doon & Ors. Vs. Union of India and Ors. reg

- Please refer CE-RO, MoRT&H, Dehradun letter No.RO/UK/Chardham/HPC dated 17 Sep 2020.
- 2. Replies Para wise are as under:-
 - (i) May be submitted by O/o the CE-RO, MoRT&H, Dehradun.
 - (ii) Full inventory of vulnerable slopes and muck dumps along the Rishikesh-Dharasu Road and Joshimath- Mana Road being executed by BRO are enclosed as Annexure- I & II.
 - (iii) Presently all the approved restoration/protection of landslide zones are in progress. CoS proposals/Power Point Presentation for sustainable restoration of vulnerable slopes of balance locations have been initiated to O/o the CE-RO, MoRT&H, Dehradun. On approval of same, restoration can be taken up.

(Vivek Srivastava) EE (Civil) SG SO-1 (EPC) For Chief Engineer

Encls: As above

NOO

Copy to:

Office of the Chief Engineer Regional Office MoRT&H 46/1 Canal Road, Jakhan Dehradun-248001 Uttarakhand

E-Mail: romorthddn@gmail.com

HQ 21 BRTF C/O 56 APO Pin-930021

HQ 36 BRTF C/O 56 APO Pin-930036 For information please.

For information and necessary action please. Following information may also be checked at your end and confirm correctness.

DETAILS OF VULNERABLE SLOPES

S/No N	lame of road	Name of District	Olioton (inii)	Location (Designed Ch) in (Km)	
(i) .	Joshimath-Mana NH-58		489.350 to KM 491.600 (design ch Km 471.400 to Km 473.675)	471.400 - 473.675	Slope protection wks under progress at Hatipahar as standalone landslide treatment project.
				481.056	CoS initiated for increase in Bridge span.
(ii)			504.371	481.44 & 481.770	CoS for chute drain to prevent damages to hill slope on d/s
(111)		(Design Ch side initiated.			
V: X				485.630-485.700	
(iv)		Chamoli	486.060)	104 100 104 500	Proposal for specialized land slide treatment fwd to CE-RO
(V)		Chamon	509.725-528	494.480-494.520	on 25 Mar 2020. Approval awaited
(vi)				501.100-501.280 507.580-507.850	
(vii)			490.550 - 507.850	510.200-510.400	In view of delay in approval of DPR of Benakuli rehabilitatio
(viii)			507,630	(Existing ch)	proposal of CoS for specialized land slide treatment initially to CE-RO on 09 Apr 2020. Approval awaited.
V: A				493.970-494.070	Proposal to be forwarded to GSI for detailed geological
(ix)				494.350-494.450	study and recommendation of mitigative measures.
(xi)				495.340-495.440	
(Xii)	Rishikesh-	New Tehri	28.600 - 59.42	29.76 to 29.82	Proposal for specialized land slide treatment fwd to CH-
(xiii)	Dharasu			30.64 to 30.74	RO on 19 Feb 2020. Approval awaited
(XIV)	NH-94			34.865-34.965	RO ON 19 Feb 2020. Approver avvalue
(XV)				35.00 to 35.10	Slope protection wks under progress
				38.24 to 38.36	Slope protestion was an analysis
(xvi)					
(xvi)					

S/No	Name of road		Stretch (Km)		Remarks ,
		District		(Designed Ch) in	
(m. 31)				(Km)	A
(xvii)				38.36 to 38.50	
(xviii)				39.46 to 39.54	
(xix)				40.46 to 40.51	
(www)				43.50 to 43.68	Proposal for specialized land slide treatment find to CE-RO
(xxi)				11.00	on 19 Feb 2020. Approval awaited
(XXI)				44.22 to 44.26	
(XXII)				45.90 to 46.10	
		New Tehri	50 40 05 00	52.615 to 52.70	
(xxiv)		New Lenn	59.42 - 65.00	63.31 to 63.39	Proposal to be approved by CE-RO (Forwarded on 20 Feb 2020). CoS approval awaited.
(XXA)				75.20 to 75.40	Slope protection works in progress
(xxvi)				78.54 to 78.72	Dropped for appointing land stide traction at find to OF 150
(xxvii)				80.73 to 80.83	Proposal for specialized land slide treatment fwd to CE-RO
(xxviii)				88.00 to 88.08	on 18 Feb 2020. Approval awaited
				88.20 to 88.30	
(xxix)	Rishikesh- New Tehri		110.00 - 132.00	121.340 to 121.510	Proposal of specialized land slide treatment fwd to CE-RU
(XXX)	Dharasu			122.15 to 122.25	on 08 Apr 2020. Approval awaited
(xxxi)	NH-94			125.32 to 125.85	
(xxxii)				126.50 to 126.90	
(xxxiii)	0.11			128.230 to 128.510	
(xxxiv)	Rishikesh-	Uttarkashi	132.00 -142.00	135.67 to 135.87	Slope protection works in progress at Dharasu landslide
(xxxv)	Dharasu NH-94			138.320 to 138.520	Proposal of CoS for shifting alignment on valley side to prevent hill cutting and triggering of land slide approval under CoS.
(xxxvi)	Rishikesh- Dharasu NH-94	Uttarkashi	Km 133.020- 137.330 (Chinyalisour Bypass)	133.760-133.830	CoS proposal initiated.
(xxxvii)	Gangotri-Dharasu NH-108	Uttarkashi	Km 101-110	108.063 to 108.255	Proposal of specialized land slide treatment fwd to CE-RO on 31 Mar 2020. Approval awaited
(xxxviii)			110.86 - 124.00	120.830 to 120.960	Proposal of specialized land slide treatment fwd to CE-RC
(xxxix)				122.140 to 122.260	on 30 Mar 2020. Approval awaited

DETAILS OF MUCK DUMPING SITES (MDSs)

No.	Name of road	Name of District	Stretch (Km)	Location	Latitude	Longitude	Details of land transfer	Remarks					
1	Joshimath-Mana NH- 07	Chamoli	471 400-473.675	488.200		79°30'33 90"	Forest land transferred to BRO. Forest proposal						
			473 675-486 060	473 675-486.060	473 675-486 060	475.800	30°34'46.086"	79"34'13.11"	No.3036/FP/UK/ROAD/39348/2019				
2	Joshimath-Mana NH		473.075-400.000	476.750	30°35'15.995"	79°34'10.957"	Forest proposal approval (Vidhivat						
	07			477.200	30°35'31.344	79"34'7.206"	Swikriti) Addl Secy, Dehradun letter No						
				479.240	30°36'26.1"	79°34'8.706	462(1)/X-4-19/01(26)/2019 dt 20 Jun 2019						
			490.550-507.850	495.650	30"41'56.682"	79*30'28.65"	2019.						
3	Joshimath-Mana NH		490.550-507.650	497.310	30"42'34.71"	79"30'1.098"							
1	Rishikesh-Dharasu	Tehri Garhwal	28.600 to 59.420	30.720	30.22834	78.33375	Forest land transfer under proposal No. FP/UK/ROAD/20521/2016						
	Road (NH-94)			31.615	30.22731	78.33871	-do-						
2				36.400	30.24089	78.36253	-do-						
3				37.080	30.24470	78.36557	-do-						
2 3 4 5 6 7 8				37.410	30.24783	78.36730							
5				37 860	30 25018	78.36522							
6				38 070 30.2518	30.25182	78.36475	-do-						
7			i i	39 350	30.2593	78,36726	-do-						
13				39.430	30 2596-	78,36702	-do-						
9				39 630	30 2603	78.36584	-do-						
10									40.120	30 2622			
11				46.275	30.2978		Govt/Private land						
12	-			46.830	30 3023		Private/Govt Land (land acquired under NH-Act)						
14				47.380	30.3064	3 78.3446	Govt/Private land						
				47.610	30.3081		9 Govt/Private land						
16		1		48.050	30.3110		1 Govt/Private land						
16				52.250	30.3304		No. FP/UK/ROAD/20521/2016						
				52 110	30.3299		2 Govt/Private land						
18	3			52.600	30.3295	4 78.3729	9 Govt/Private land						
2				54.750	30.2327	78.3919	8 Govt/Private land						
	2			55.710			9 Govt/Private land						
2	Rishikesh-Dharas	u Tehri Garhwal	59.420 to 65.000	63 520		78 3939	No. FP/UK/ROAD/ 29381/2017						
	Road (NH-94			63 980	30 3560	78.3904	DM Tehri Garhwal and pyt land approved by acquired uncer NH-Act)						

S/No.	Name of road	Name of District	Stretch (Km)	Location	Latitude	Longitude	Details of land transfer	Remarks
1	Rishikesh-Dharasu	Tehri Garhwal	76.000 to 110.000	76.840	30.405322	78.415206	Land aquired under NH-Act	
2	Road (NH-94)			78.700	30 408920	78.422147	Forest land transfer under proposal No.FP/UK/ROAD/29916/2017	
3				79.420	30.416134	78.419341	-do-	
4				79.880	30.414291	78.414542	-do-	
5				80.150	30.414133	78.409628	-do-	
6				88.140	30.445909		Pvt Land acquisition progress under NH-Act and Govt land Approved by DM Tehri	
7				90.270	30.445410	78.385099	Pvt Land acquisition progress under NH-Act and Govt land Approved by DM Tehri	
8				90.920	30.450977	78.386625	Land aquired under NH-Act	
9				91.360	30.453335	78.390473	Pvt Land acquisition progress under NH-Act and Govt land Approved by DM Tehri	
10				94.400	30.464731	78.393125	Forest land transfer under proposal No.FP/UK/ROAD/29916/2017	
11				94.555	30.463986	78.392192	-do-	
12				94.620	30.463895	78.390690	-do-	
13				95.525	30.464661	78.386198	-do-	
14				95.720	30,463825	78.384679	-do-	
15				98.030	30.471518	78.378705	-do-	
16				98.920	30.467434	78.376871	-do-	
17				103.800	30.472636	78.358985	-do-	
18				108.000	30.478810	78.354804	Land aquired under NH-Act	
1		Tehri Garhwal	110.000 to 142.000	111.200	30.48751	78.37368	Forest land transfer under proposal No.FP/UK/ROAD/29916/2017	
2				112.100	30.48852	78.38304	-do-	
3				112.500	30.48885	78.38723	-do-	
4				117.150	30,50356	78.37284	Forest land transfer under proposal No.FP/UK/ROAD/45194/2020	
5				117.530	30.50385	78.36955	Govt Land (Approved by DM Tehri) and Pvt land acquired under NH-Act	
6				121.750	30.52145	78.35114	Forest land transfer under proposal No.FP/UK/ROAD/29916/2017 & extension under proposal No.FP/UK/ROAD/45194/2020	
7				121.930	30.52042	78.35030		
8				122.850	30.52073	78.34824		About do and door to come
9				123.230	30 52360	78.34888		Abandoned due to very steep slope
10				125.650	30.53381	78.34025		-
11				125.980	30.53606		Land acquired under NH-Act	
12				127.430	30.54377	78.33730	Govt land and Pvt land (Govt land approved by DM Tehri Garhwal and Pvt land acquisition under progress)	

/No.	Name of road	Name of District	Stretch (Km)	Location	Latitude	Longitude	Details of land transfer	Remarks
12				127 520	30.54451	78.33762	Land acquired under NH-Act	
15				128.200	30.54873		Land acquired under NH-Act	
16	Rishikesh-Dharasii	1000		131.620	30,55305		Govt land and Pvt land (Govt land approved by DM Tehri Garhwal and Pvt land acquired under NH-Act.)	
17	Road (Nh-94)	Uttarkashi		138.000	30.61647	78 32286	Govt land acquired by DM Uttarkashi	Dumping yard located on Dharasu-Rauntal Motor road at Km 1 near ITI Dharasu
18				140.650	30.61865	78.32635	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	
	Rishikesh-Dharasu			140.730	30.61908	73.32684	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	
2	Road (NH-94)	Uttarkashi	133 020 to 137 330	132.020	30.55722	78.32498	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	
-	-5			133.020	30.56664	78.32786	Govt land Approved by DM Uttarkashi	
	Gangotri-Dnarasu Road (NH-34)	Uttarkashi	101.060 to 110.860	106.400	30.74227	78,36170	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	
3				107.555	30.74201	78.35909	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	
				109.185	30.73553	78.350211	Forest land transfer under proposal No.FP/UK/DEF/40343/2019	