



कार्यालय अधीक्षण अभियन्ता,  
10 वॉ राष्ट्रीय राजमार्ग वृत्त,  
लोक निर्माण विभाग, देहरादून



Office of the Superintending Engineer National Highways Circle, Yamuna Colony PWD, Dehradun  
Phone/ Fax:-0135- 2530251 Web-http://govt.ua.nic.in/pwd  
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पत्रांक— 3084 / 40याता-रा0मा0-10 / 2018-19

दिनांक: 03 / 11 / 2020

सेवा में,

अधिशाली अभियन्ता,  
आई0टी0सैल,  
कार्यालय प्रमुख अभियन्ता एवं विभागाध्यक्ष,  
लो0नि0वि0, देहरादून।

विषय:-

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 & Ors. Vs. Union of India and Ors.- Submission of inventory of Vulnerable Slopes and muck dumping sites reg.

महोदय,

उपरोक्त विषयक मुख्य अभियन्ता, राष्ट्रीय राजमार्ग, उत्तराखण्ड लो0नि0वि0, देहरादून के पृष्ठांकन पत्र संख्या-3086 / 120रा0मा0-उ0 / 29.10.2020 की प्रति संलग्न कर इस आशय से प्रेषित है कि पत्र में दिये गये निर्देशों "it is requested to upload enclosed updated list of vulnerable slopes and muck dumping sites in public domain on your respective websites" के क्रम में संलग्न सूची विभागीय वेबसाइट में अपलोड करने का कष्ट करें।

संलग्न - उपरोक्तानुसार - 10 प्रतियाँ

(इं0 ओम प्रकाश)  
अधीक्षण अभियन्ता

प्रतिलिपि अधिशाली अभियन्ता रा0मा0खण्ड, लो0नि0वि0, देहरादून/डोईवाला/ बड़कोट/धुमाकोट/श्रीनगर/ रुद्रप्रयाग को मुख्य अभियन्ता, राष्ट्रीय राजमार्ग, उत्तराखण्ड लो0नि0वि0, देहरादून के पृष्ठांकन पत्र दिनांक 29.10.2020 की प्रति संलग्न कर इस निर्देश के साथ प्रेषित कि प्रश्नगत प्रकरण में दिये गये निर्देशों के अनुसार vulnerable slopes and muck dumping sites पर आई0आर0सी0 की विशिष्टियों के अनुसार road Signages लगाना सुनिश्चित करें।

अधीक्षण अभियन्ता  
10 वॉ रा0मा0 वृत्त, लो0नि0वि0, देहरादून





सत्यमेव जयते

No. RO/UK/Chardham/HPC 1855  
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



**BHARATMALA**  
ROAD TO PROSPERITY

Dated:- 17.10.2020

To,

The Member Secretary (HPC),  
Secretary (Forest & Environment)  
Govt. of Uttarakhand,  
4, Subash Road, Uttarakhand  
Secretariat,  
Dehradun - 248001  
(environment.spinguk@gmail.com)



**Sub:** 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.- Submission of inventory of vulnerable slopes and muck dumping sites reg.

Ref.: i. Sh. Ravi Chopra, Chairman, HPC letter dated 11.09.2020 and mailed dated 25.09.2020  
ii. Member Secretary Letter No. 05/X-3/19/15(104)/2019 dated 06.03.2020  
iii. Member Secretary Letter No. 12/X-3/19/15(104)/2019 dated 24.04.2020  
iv. Member Secretary Letter No. 20/X-3/19/15(104)/2019 dated 06.05.2020  
v. This office letter dated 11.05.2020  
vi. This office letter dated 25.09.2020

Sir,

Please refer to this office letter cited at sl. No. v & vi vide which details of vulnerable slopes and muck dumping sites as identified by Implementing Agencies, were forwarded to High Powered Committee in reference to letter cited at i to iv.

2. It is mention that a Memorandum of Understanding (MoU) has been signed between Geological Survey of India (GSI) and Ministry of Road Transport & Highways (MoRTH) for collaboration for geotechnical studies including mapping and landslide susceptibility studies needed for Chardham projects in the state of Uttarakhand. Also, a Committee has been constituted by MoRTH under the Chairmanship of Adl. Director General, MoRTH&H and with members from State PWD, BRO, NHIDCL and GSI to formulate permanent landslide mitigation strategy on various locations/stretches of National Highways being developed under the Chardham Pariyojana.

3. Further, Committee constituted by MoRTH alongwith Sr. Geologist from GSI had visited NH-58, NH-109 & NH-94 (upto Chamba) to study the landslides locations and based on their findings and input Implementing Agencies has submitted updated details of vulnerable slopes and muck dumping sites.

4. Hence, in continuation to this office letter dated 11.05.2020 & 25.09.2020, the updated package wise details of vulnerable slopes and muck dumping sites is hereby enclosed for kind persual.

Encl.: Package wise details in Excel format, signed submission copy of IAs.

Yours faithfully

(Kapil Singh)

Executive Engineer

For Chief Engineer-Regional Officer

12/10/20  
22/10/20  
22/10/20

3086  
22/10/20



**Copy to with enclosures:**

1. The Chief Engineer (NH), PWD, Garhwal Mandal, Yamuna Colony, Dehradun.
2. The Chief Engineer (Project Shivalik), Border Road Organization, IDPL Complex, Virbhadara, Rishikesh
3. The Executive Director (P), Regional Office, NHIDCL, C-24, Ajabpur Kalan, Near Bengali Kothi, THDCC, Dehradun.

It is requested to upload enclosed updated list of vulnerable slopes and muck dumping sites in public domain on your respective websites. Further, it is again requested to provide road signages as per IRC Specification at these locations as already requested vide this office letter dated 25.07.2020 & 07.10.2020.

**Copy to with enclosures:**

1. The Director, NIC, MoRTH, Transport Bhawan, New Delhi- 110001 - With request to upload on MoRTH Website under "whats new" with heading details of vulnerable slopes and muck dumping sites along chardham route.

**Copy for information to:**

1. Director General (RD) & Special Secretary, MoRTH, Transport Bhawan, New Delhi-110001.
2. The Additional Director General, Uttarakhand, MoRTH, Transport Bhawan, New Delhi-110001.
3. The Chief Engineer (Zone-I), Transport Bhawan, New Delhi- 110001

कार्यालय मुख्य अभियन्ता  
राष्ट्रीय राजमार्ग उत्तराखण्ड  
लोगनिगवि० देहरादून

प्रपत्रांक- 3086/120 रा० मार्ग/2020, दि०-29/10/2020

प्रतिलिपि निम्नलिखित को उपरोक्तानुसार आग्रह आवश्यक  
कार्यवाही हेतु प्रेषित :-

① अधीक्षक अभियन्ता, 10 वां/रा० मार्ग वृत्त, लोगनिगवि० देहरादून/दिल्ली,

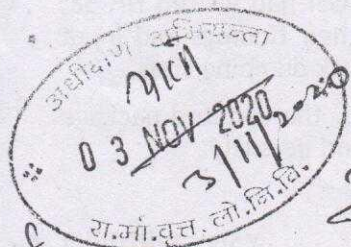
② अधीक्षक अभियन्ता, रा० मार्ग ब्याड, बडकोट/क्षेत्रांग/कुड़ प्रमार्ग/

लोहाघाट,

सिलंग-मथेपार,

स्थापक अभियन्ता

कार्यालय मुख्य अभियन्ता  
राष्ट्रीय राजमार्ग उत्तराखण्ड  
लोगनिगवि० देहरादून  
29/10/2020



3086  
3/11/2020

3/11



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

from Km. 235.000 (Brahmpuri) to Km. 268.000 (Kodiyala) of NH-07 (Old NH-58)

| S. No | Chainage |         | Coordinate[Northing & Easting] |                             | Length (in mtr.) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|-----------------------------|------------------|---------------|---------|
|       | From     | To      | From                           | To                          |                  |               |         |
| 1     | 242+990  | 243+070 | 33°69'53" N<br>24°85'42" E     | 333°68'89" N<br>24°85'74" E | 80               | Shivpuri      |         |
| 2     | 243+080  | 243+200 | 333°68'89" N<br>24°85'74" E    | 333°67'71" N<br>24°85'29" E | 120              | Shivpuri      |         |
| 3     | 257+080  | 257+160 | 33°29'140" N<br>25°51'15" E    | 33°29'127" N<br>25°51'91" E | 80               | Atali         |         |
|       | 257+180  | 257+260 | 33°29'123" N<br>25°52'09" E    | 33°29'092" N<br>25°52'84" E | 80               | Atali         |         |
| 4     | 259+600  | 259+800 | 33°28'934" N<br>25°69'87" E    | 33°28'814" N<br>25°70'98" E | 200              | Byasi         |         |
| 5     | 262+550  | 262+800 | 33°29'302" N<br>25°81'47" E    | 33°29'518" N<br>25°82'20" E | 250              | Singtali      |         |
| 6     | 265+300  | 265+330 | 33°28'825" N<br>25°89'90" E    | 33°28'805" N<br>25°89'85" E | 30               | Kodiyala      |         |

from 268.00 (Kodiyala) to 300.00 (Devprayag) of NH-07 (Old NH-58)

| S. No | Chainage |         | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name             | Remarks     |
|-------|----------|---------|----------------------------------|----------------------------------|------------------|---------------------------|-------------|
|       | From     | To      | From                             | To                               |                  |                           |             |
| 7     | 266+250  | 266+500 | 30°03'39.37" N<br>78°03'13.85" E | 30°03'31.85" N<br>78°03'33.28" E | 600              | Kodiyala                  |             |
| 8     | 283+200  | 283+600 | 30°05'39.26" N<br>78°34'42.76" E | 30°05'41.80" N<br>78°34'39.97" E | 400              | Bachelikhal               |             |
| 9     | 284+900  | 285+100 | 30°06'4.81" N<br>78°34'30.80" E  | 30°06'13.47" N<br>78°34'26.72" E | 200              | Bachelikhal               |             |
| 10    | 291+300  | 291+600 | 30°07'38.74" N<br>78°35'51.12" E | 30°07'43.33" N<br>78°35'41.21" E | 300              | Beint (near Sainik Hotel) |             |
| 11    | 287+500  | 287+900 | 30°03'39.26" N<br>78°34'42.76" E | 30°03'41.80" N<br>78°03'39.97" E | 400              | Teen Dhara                | Sinkig Zone |

from km. 300 (Devprayag) to 338 (Srinagar) of NH-07 (Old NH-58)

| S. No | Chainage |         | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name                  | Remarks |
|-------|----------|---------|----------------------------------|----------------------------------|------------------|--------------------------------|---------|
|       | From     | To      | From                             | To                               |                  |                                |         |
| 12    | 298+360  | 298+750 | 30°09'8.54" N<br>78°37'3.47" E   | 30°09'30.49" N<br>78°37'5.82" E  | 390              | Near Omkaranand Degree College |         |
| 13    | 304+100  | 304+370 | 30°11'31.47" N<br>78°38'21.29" E | 30°11'38.00" N<br>78°38'27.76" E | 270              | Mulya Gaon                     |         |



| S. No | Chainage |         | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name | Remarks     |
|-------|----------|---------|----------------------------------|----------------------------------|------------------|---------------|-------------|
|       | From     | To      | From                             | To                               |                  |               |             |
| 14    | 305+000  | 305+100 | 30°11'50.79" N<br>78°38'18.18" E | 30°11'52.54" N<br>78°38'20.46" E | 100              | Mulya Gaon    |             |
| 15    | 316+380  | 316+480 | 30°12'56.77" N<br>78°44'40.37" E | 30°12'51.18" N<br>78°44'48.80" E | 100              | Lakshmoti     | newly added |
| 16    | 325+100  | 325+300 | 30°12'45.61" N<br>78°44'48.40" E | 30°12'44.70" N<br>78°44'59.24" E | 200              | Ufalda        | newly added |

from km. 338.00 (Srinagar) to 368.000 (Rudraprayag) of NH-07 (Old NH-58)

| S.no. | Chainage                  |                           | coordinate (Northing ,Easting) |                             | length (mtr) | Location Name     | Remarks     |
|-------|---------------------------|---------------------------|--------------------------------|-----------------------------|--------------|-------------------|-------------|
|       | From                      | To                        | From                           | To                          |              |                   |             |
| 17    | 335+350                   | 335+450                   | 78,50,29 E<br>30,14,02 N       | 78,50,45 E<br>30,14,06 N    | 100          | near Sweet Bridge |             |
| 18    | 350+750                   | 350+850                   | 78,55,49E<br>30,15,08N         | 78,55,52 E<br>30,15,11 N    | 100          | Farasu            | Valley Side |
| 19    | 336+340 (design chainage) | 338+480 (design chainage) | E 30.234704,<br>N78.844949     | E 30.235112,<br>N78.845775, | 140          | Farasu            | Hill side   |
| 20    | 337+980 (design chainage) | 338+080 (design chainage) | E 30.241284,<br>N78.858900     | E 30.241372,<br>N78.859742  | 100          | Chamdhar          | newly added |
| 21    | 356+200                   | 356+800                   | 78,57,53 E<br>30,16,25 N       | 78,58,08 E<br>30,16,34      | 600          | Gulabrai          |             |

from km 350.00 to km. 355.00 of NH-07 (Old NH-58) (Kaliyasaur re-alignment)

| S.no. | Chainage |         | coordinate (Northing ,Easting)  |                           | length (mtr) | Location Name   | Remarks                                                                                    |
|-------|----------|---------|---------------------------------|---------------------------|--------------|-----------------|--------------------------------------------------------------------------------------------|
|       | From     | To      | From                            | To                        |              |                 |                                                                                            |
| 22    | 345+400  | 345+600 | 78°54'5.85" E<br>30°14'40.96" N | E30.245044,<br>N78.902445 | 200          | near 1st Bridge | height of embankment cutting is 38 m with land acquisition or treatment should be proposed |



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

**from km. 368.00 ( Rudraprayag) to km. 399.00-(Karnprayag) on NH-07 (Old NH-58)**

| S.no. | Chainage |         | coordinate (Northing ,Easting) |           | length<br>(mtr) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|-----------|-----------------|---------------|---------|
|       | From     | To      | From                           | To        |                 |               |         |
| 1     | 429+350  | 429+450 | 79.338987                      | 30.406299 | 100             |               |         |
| 2     | 435+425  | 435+500 | 79.407262                      | 30.415807 | 75              |               |         |
| 3     | 436+675  | 436+825 | 79.407262                      | 30.415807 | 150             |               |         |
| 4     | 451+925  | 452+000 | 79.456486                      | 30.46526  | 75              |               |         |
| 5     | 464+900  | 464+950 | 79.510674                      | 30.530318 | 50              |               |         |

**from km. 399.00 (Karnprayag) to km. 430.00 - (Chamoli) on NH-07 (Old NH-58)**

| S.no. | Chainage |         | coordinate (Northing ,Easting) |          | length<br>(mtr) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|----------|-----------------|---------------|---------|
|       | From     | To      | From                           | To       |                 |               |         |
| 6     | 378+900  | 380+075 | 79.086128                      | 30.29517 | 1175            |               |         |

**from km. 430.00 (Chamoli) to km. 468.00 (Helang) on NH-07 (Old NH-58)**

| S.no. | Chainage |         | coordinate (Northing ,Easting) |           | length<br>(mtr) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|-----------|-----------------|---------------|---------|
|       | From     | To      | From                           | To        |                 |               |         |
| 7     | 456+350  | 456+800 | 79.479792                      | 30.485946 | 450             |               |         |

**Nandaprayag(km420+400),Maithana(Km 423+500),Birahai(Km 464+400) on NH-07 (Old NH-58)**

| S.no. | Chainage |         | coordinate (Northing ,Easting) |              | length<br>(mtr) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|--------------|-----------------|---------------|---------|
|       | From     | To      | From                           | To           |                 |               |         |
| 8     | 420+210  | 420+410 | E-338564.67                    | N-3357277.08 | 200             | Nandprayag    |         |
| 9     | 423+320  | 423+670 | E-338358.988                   | N-3359533.61 | 350             | Maithana      |         |
| 10    | 437+550  | 437+650 | E-345375.01                    | N-3365472.61 | 100             | Birahi        |         |
| 11    | 464+357  | 464+482 | E-355420.70                    | N-3376460.88 | 125             | Gulabkoti     |         |

| S.no. | Chainage |    | coordinate (Northing ,Easting) |    | length<br>(mtr) | Location Name | Remarks |
|-------|----------|----|--------------------------------|----|-----------------|---------------|---------|
|       | From     | To | From                           | To |                 |               |         |



| S.no. | Chainage |         | coordinate (Northing ,Easting) |               | length<br>(mtr) | Location Name                 | Remarks |
|-------|----------|---------|--------------------------------|---------------|-----------------|-------------------------------|---------|
|       | From     | To      | From                           | To            |                 |                               |         |
| 12    | 468+015  | 468+290 | E-3378564.296                  | N-357426.419  | 275             | Helang Landslide Zone         |         |
| 13    | 498+000  | 498+150 | E-362561.080                   | N-3387547.16  | 150             | Govindghat-II Landslide Zone  |         |
| 14    | 499+988  | 500+138 | E-361468.040                   | N-3389020.426 | 150             | Govindghat-III Landslide Zone |         |

from 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)

| S.no. | Chainage |         | coordinate (Northing ,Easting) |                                  | length<br>(mtr) | Location Name | Remarks |
|-------|----------|---------|--------------------------------|----------------------------------|-----------------|---------------|---------|
|       | From     | To      | From                           | To                               |                 |               |         |
| 15    | 471.4    | 473.675 | 79°34'01" E<br>30°33'47" N     | 79°34'32.93" E<br>30°33'47.34" N | 2275            | Hatipahar     |         |

from existing chainage km 491.600 to km 504.475 (design chainage km 473.675 to km 486.100) of NH-07 (old NH-58) ( Benakul bend to Mana )

| S.no. | Chainage |         | coordinate (Northing ,Easting) |                                  | length<br>(mtr) | Location Name             | Remarks |
|-------|----------|---------|--------------------------------|----------------------------------|-----------------|---------------------------|---------|
|       | From     | To      | From                           | To                               |                 |                           |         |
| 16    | 481.056  | 481.086 | 79°33'31" E<br>30°33'48" N     | 79°34'36.25" E<br>30°33'51.70" N | 30              | Near bhagat hotel         |         |
| 17    | 481.44   | 481.77  | 79°31'24" E<br>30°39'06" N     | 79°31'38.36" E<br>30°38'55.56" N | 50              | Near Govindghat gurudwara |         |

from existing chainage km 509.700 to km 528.00 (design chainage km 490.550 to km 507.850) of NH-07 (old NH-58) ( Benakul bend to Mana )

| S.no. | Chainage                 |                           | coordinate (Northing ,Easting) |                                   | length<br>(mtr) | Location Name          | Remarks |
|-------|--------------------------|---------------------------|--------------------------------|-----------------------------------|-----------------|------------------------|---------|
|       | From                     | To                        | From                           | To                                |                 |                        |         |
| 18    | 494.48                   | 494.52                    | 79°30'45" E<br>30°41'53" N     | 79°30'43.25" E<br>30°41'54.02" N  | 40              | Above Hanuman Chatty   |         |
| 19    | 501.1                    | 501.28                    | 79°29'48" E<br>30°43'42" N     | 79°29'50.06" E<br>30°43'12.477" N | 180             | Near Radang Bend       |         |
| 20    | 507.58                   | 507.85                    | 79°29'54" E<br>30°46'04" N     | 79°29'49.96" E<br>30°46'10.39" N  | 270             | Just near Mana Village |         |
| 21    | 510.2(Existing chainage) | 510.4 (Existing chainage) | 79°30'37" E<br>30°41'54" N     | 79°30'41.4" E<br>30°40'43.98" N   | 200             | Benakuli Landslide     |         |



| S.no. | Chainage |        | coordinate (Northing ,Easting)   |                                  | length<br>(mtr) | Location Name       | Remarks     |
|-------|----------|--------|----------------------------------|----------------------------------|-----------------|---------------------|-------------|
|       | From     | To     | From                             | To                               |                 |                     |             |
| 22    | 493.97   | 494.07 | 79°30'39.86" E<br>30°41'52.62" N | 79°30'36.16" E<br>30°41'52.46" N | 100             | Near Hanuman chatti | newly added |
| 23    | 494.35   | 494.45 | 79°30'35.87" E<br>30°41'53.17" N | 79°30'39.85" E<br>30°41'53.18" N | 100             | Near Hanuman chatti | newly added |
| 24    | 495.34   | 495.44 | 79°30'39.13" E<br>30°41'54.59" N | 79°30'35.30" E<br>30°41'55.14" N | 100             | Near Hanuman chatti | newly added |



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

from km. 1.95 (Muni Ki Reti) to 28.600 (Agrakhal) of NH-34 (Old NH-94)

| S. No | Chainage |        | Cordinate[Northing & Easting] |                           | Length (in mtr.) | Location Name | Remarks |
|-------|----------|--------|-------------------------------|---------------------------|------------------|---------------|---------|
|       | From     | To     | From                          | To                        |                  |               |         |
| 1     | 18+020   | 18+170 | 239360.376<br>3340032.07      | 239423.062<br>3340165.473 | 150              |               |         |
| 2     | 18+350   | 18+440 | 239536.983<br>3340303.673     | 239548.725<br>3340389.641 | 90               |               |         |
| 3     | 20+700   | 20+900 | 240224.263<br>3341597.562     | 240037.584<br>3341414.546 | 200              |               |         |
| 4     | 21+050   | 21+180 | 239928.832<br>3341475.473     | 239978.969<br>3341584.131 | 130              |               |         |
| 5     | 22+350   | 22+550 | 240870.839<br>3341521.441     | 241044.506<br>3342008.837 | 200              |               |         |
| 6     | 23+200   | 23+300 | 241376.238<br>3342595.333     | 241454.723<br>3342429.84  | 100              |               |         |
| 7     | 23+500   | 23+600 | 241562.04<br>3342577.756      | 241502.581<br>3342490.346 | 100              |               |         |
| 8     | 24+450   | 24+550 | 241546.068<br>3342857.429     | 241916.526<br>3342952.445 | 100              |               |         |
| 9     | 25+400   | 25+700 | 241957.729<br>3343741.989     | 241740.672<br>3343922.671 | 100              |               |         |
| 10    | 26+700   | 26+780 | 242422.324<br>3344240.698     | 242479.706<br>3344280.43  | 300              |               |         |
| 11    | 27+340   | 27+600 | 242669.971<br>3344695.704     | 242579.333<br>3344929.769 | 80               |               |         |
| 12    | 28+100   | 28+200 | 242698.823<br>3345349.591     | 242744.321<br>3345424.046 | 260              |               |         |

from existing km 28.600 (Agrakhal) to km 59.420 (Chamba) (design chainage 28.320 to km 58.603) of NH-34 (Old NH-94)

| S. No | Chainage |        | Cordinate[Northing & Easting]    |                                  | Length (in mtr.) | Location Name | Remarks |
|-------|----------|--------|----------------------------------|----------------------------------|------------------|---------------|---------|
|       | From     | To     | From                             | To                               |                  |               |         |
| 13    | 29.76    | 29.82  | 78°19'53.05" E<br>30°13'19.24" N | 78°19'53.05" E<br>30°13'19.24" N | 60               | Aagarkhal     |         |
| 14    | 30.64    | 30.74  | 78°20'04.84" E<br>30°13'41.96" N | 78°20'04.84" E<br>30°13'41.96" N | 100              | Aagarkhal     |         |
| 15    | 34.865   | 34.965 | 78°21'20"E<br>30°14'07" N        | 78°21'20"E<br>30°14'07" N        | 100              | Bhaintan      |         |
| 16    | 35       | 35.1   | 78°21'12.52" E<br>30°14'27.70" N | 78°21'12.52" E<br>30°14'27.70" N | 100              | Bhaintan      |         |



| S. No | Chainage |       | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name | Remarks |
|-------|----------|-------|----------------------------------|----------------------------------|------------------|---------------|---------|
|       | From     | To    | From                             | To                               |                  |               |         |
| 17    | 38.24    | 38.36 | 78°22'58.71" E<br>30°15'44.43" N | 78°22'08.71" E<br>30°15'14.43" N | 120              | Bemar         |         |
| 18    | 38.36    | 38.5  | 78°22'58.69" E<br>30°15'18.42" N | 78°22'08.69" E<br>30°15'18.42" N | 140              | Bemar         |         |
| 19    | 39.46    | 39.54 | 78°21'51.80" E<br>30°15'40.36" N | 78°21'51.80" E<br>30°15'40.36" N | 80               | Bemar         |         |
| 20    | 40.46    | 40.51 | 78°21'53.08" E<br>30°15'55.83" N | 78°21'53.08" E<br>30°15'55.83" N | 50               | Bemar         |         |
| 21    | 43.5     | 43.68 | 78°22'55.52" E<br>30°17'21.16" N | 78°22'05.52" E<br>30°17'01.16" N | 180              | Pipleth       |         |
| 22    | 44.22    | 44.26 | 78°21'55.04" E<br>30°17'19.80" N | 78°21'55.04" E<br>30°17'19.80" N | 40               | Tipli         |         |
| 23    | 45.9     | 46.1  | 78°21'58.01" E<br>30°17'44.80" N | 78°21'08.01" E<br>30°17'44.80" N | 200              | Bidon         |         |
| 24    | 52.615   | 52.7  | 78°22'30.18" E<br>30°19'48.73" N | 78°22'30.18" E<br>30°19'48.73" N | 85               | Matali        |         |

from design chainage km. 58.603 to km.63.950 (existing Chainage km. 59.420 to km. 65.000) and Chamba Bypass including 440m long tunnel on NH-3.  
(Old NH-94)

| S. No | Chainage |       | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name | Remarks |
|-------|----------|-------|----------------------------------|----------------------------------|------------------|---------------|---------|
|       | From     | To    | From                             | To                               |                  |               |         |
| 25    | 63.31    | 63.39 | 78°23'27.22" E<br>30°21'30.64" N | 78°23'27.22" E<br>30°21'30.64" N | 80               | Hadam Talla   |         |

from km. 76.00 to km. 110.00 (Design chainage from km. 74.733 to km. 107.347 including Kamand re-alignment

| S. No | Chainage |       | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name       | Remarks |
|-------|----------|-------|----------------------------------|----------------------------------|------------------|---------------------|---------|
|       | From     | To    | From                             | To                               |                  |                     |         |
| 26    | 75.2     | 75.4  | 78°41'48.51" E<br>30°40'49.29" N | 78°41'48.51" E<br>30°40'49.29" N | 200              | Nakol Laga Jaulangi |         |
| 27    | 78.54    | 78.72 | 78°41'61.93" E<br>30°41'41.12" N | 78°41'61.93" E<br>30°41'41.12" N | 180              | Jaulangi            |         |
| 28    | 80.73    | 80.83 | 78°40'68.83" E<br>30°42'35.45" N | 78°40'68.83" E<br>30°42'35.45" N | 100              | Dabari              |         |
| 29    | 88       | 88.08 | 78°38'28.21" E<br>30°44'21.72" N | 78°38'28.21" E<br>30°44'21.72" N | 80               | Palyan              |         |
| 30    | 88.2     | 88.3  | 78°38'41.11" E<br>30°44'27.95" N | 78°38'41.11" E<br>30°44'27.95" N | 100              | Palyan              |         |

Chinyalisour bypass from existing chainage km. 133.020 to km. 137.330 (design chainage km. 0.000 to km. 4.316) of NH-34 (Old NH-94)



| S. No | Chainage |         | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name | Remarks |
|-------|----------|---------|----------------------------------|----------------------------------|------------------|---------------|---------|
|       | From     | To      | From                             | To                               |                  |               |         |
| S. No | Chainage |         | Coordinate[Northing & Easting]   |                                  | Length (in mtr.) | Location Name | Remarks |
|       | From     | To      | From                             | To                               |                  |               |         |
| 31    | 133.760  | 133.830 | 78°19'27.846" E<br>30°34'5.07" N | 78°19'27.846" E<br>30°34'5.07" N | 70               | Chainyalisaur |         |

Design Change km. 107.347 to km. 129.208 & km. 133.878 to km. 138.570 (existing chainage km. 110.000 to km. 133.020 & km. 137.330 to km. 142.028) excluding Chiniyalisaur bypass and land slide treatment at existing km. 138.500 (Design chainage km. 134.970)

| S. No | Chainage |        | Coordinate[Northing & Easting] |                                | Length (in mtr.) | Location Name | Remarks |
|-------|----------|--------|--------------------------------|--------------------------------|------------------|---------------|---------|
|       | From     | To     | From                           | To                             |                  |               |         |
| 32    | 121.34   | 121.51 | 78°34'35.2" E<br>30°53'31.6" N | 78°34'35.2" E<br>30°53'31.6" N | 170              | Kausai        |         |
| 33    | 122.15   | 122.25 | 78°34'02.5" E<br>30°53'31.8" N | 78°34'02.5" E<br>30°53'31.8" N | 100              | Nawagaon      |         |
| 34    | 125.32   | 125.85 | 78°33'61.9" E<br>30°55'34.3" N | 78°33'61.9" E<br>30°55'34.3" N | 530              | Sainsari      |         |
| 35    | 126.5    | 126.9  | 78°32'82.7" E<br>30°55'57.7" N | 78°32'82.7" E<br>30°55'57.7" N | 400              | Kandar Goan   |         |
| 36    | 128.23   | 128.51 | 78°32'34.3" E<br>30°55'56.7" N | 78°32'34.3" E<br>30°55'56.7" N | 280              | Majayr        |         |
| 37    | 135.67   | 135.87 | 78°31'48.2" E<br>30°61'20.7" N | 78°31'48.2" E<br>30°61'20.7" N | 200              | Barethi       |         |
| 38    | 138.32   | 138.52 | 78°19'48" E<br>30°37'43" N     | 78°19'48" E<br>30°37'43" N     | 200              | Dharasu       |         |



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

from Km 101.06 to Km 110.860 (Design chainage from Km 87.730 to Km 97.400)

| S. No | Chainage |         | Cordinate[Northing & Easting] |                            | Length (in mtr.) | Location Name | Remarks |
|-------|----------|---------|-------------------------------|----------------------------|------------------|---------------|---------|
|       | From     | To      | From                          | To                         |                  |               |         |
| 1     | 108.063  | 108.255 | 78°21'19" E<br>30°43'23" N    | 78°21'19" E<br>30°43'23" N | 192              | Raturisera    |         |

FROM KM 110.86 TO KM 124.00 (DESIGN CHAINAGE FROM KM 97.400 TO KM 109.400)

| S. No | Chainage |        | Cordinate[Northing & Easting]    |                                  | Length (in mtr.) | Location Name    | Remarks |
|-------|----------|--------|----------------------------------|----------------------------------|------------------|------------------|---------|
|       | From     | To     | From                             | To                               |                  |                  |         |
| 2     | 120.83   | 120.96 | 78°19'39.78" E<br>30°38'41.45" N | 78°19'39.78" E<br>30°38'41.45" N | 130              | Kathukhal        |         |
| 3     | 122.14   | 122.26 | 78°19'39.78" E<br>30°38'41.45" N | 78°19'39.78" E<br>30°38'41.45" N | 120              | Patara/Nallupani |         |



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

| from existing Km. 122.00 (Dharasu Bend) to Km. 147.23 (Silkyara Bend) (Design Chainage Km 0.00 to Km 24.30) |          |        |                                      |                                      |                  |                 |                    |
|-------------------------------------------------------------------------------------------------------------|----------|--------|--------------------------------------|--------------------------------------|------------------|-----------------|--------------------|
| S. No                                                                                                       | Chainage |        | Coordinate[Northing & Easting]       |                                      | Length (in mtr.) | Location Name   | Remarks            |
|                                                                                                             | From     | To     | From                                 | To                                   |                  |                 |                    |
| 1                                                                                                           | 0+520    | 0+720  | 78° 19' 36.45" E<br>30° 37' 35.35" N | 78° 19' 36.02" E<br>30° 37' 27.57" N | 200              | Dharasu         | Provision in Contr |
| 2                                                                                                           | 1+450    | 1+700  | 78° 17' 45.02" E<br>30° 36' 18.88" N | 78° 19' 24.35" E<br>30° 37' 10.83" N | 250              | Dharasu         | Provision in Contr |
| 3                                                                                                           | 3+030    | 3+280  | 78° 18' 56.74" E<br>30° 37' 34.31" N | 78° 18' 58.04" E<br>30° 37' 47.15" N | 250              | Fedi            | Provision in Contr |
| 4                                                                                                           | 5+700    | 5+800  | 78° 18' 25.5" E<br>30° 38' 41.35" N  | 78° 18' 26.16" E<br>30° 38' 46.66" N | 100              | Sila Village    | New Land slide si  |
| 5                                                                                                           | 7+000    | 7+300  | 78° 18' 4.89" E<br>30° 39' 3.69" N   | 78° 18' 12.04" E<br>30° 38' 54.2" N  | 300              | Kalyani Village | New Land slide si  |
| 6                                                                                                           | 8+875    | 8+975  | 78° 18' 10.49" E<br>30° 39' 38.21" N | 78° 17' 56.18" E<br>30° 39' 55.22" N | 100              | Hareti Village  | New Land slide si  |
| 7                                                                                                           | 16+900   | 17+050 | 78° 17' 34.22" E<br>30° 42' 28.8" N  | 78° 17' 33.28" E<br>30° 42' 32.68" N | 150              | Talog           | New Land slide si  |
| 8                                                                                                           | 20+020   | 20+100 | 78° 16' 47.62" E<br>30° 43' 45.97" N | 78° 16' 48.5" E<br>30° 43' 48.23" N  | 80               | Shiv Gufa       | New Land slide si  |

| from existing km. 172.900 (Paulgaon) to km. 194.150 (Paligaad) (Design Chainage km. 49.300 to km. 70.300) |          |        |                                |                                |                  |                        |                 |
|-----------------------------------------------------------------------------------------------------------|----------|--------|--------------------------------|--------------------------------|------------------|------------------------|-----------------|
| S. No                                                                                                     | Chainage |        | Coordinate[Northing & Easting] |                                | Length (in mtr.) | Location Name          | Remarks         |
|                                                                                                           | From     | To     | From                           | To                             |                  |                        |                 |
| 9                                                                                                         | 50.830   | 50.855 | 30° 47' 57" N<br>78° 13' 47" E | 30° 47' 57" N<br>78° 13' 47" E | 25               | Near Paulgaon Village  | Slope           |
| 10                                                                                                        | 55.130   | 55.155 | 30° 48' 53" N<br>78° 13' 24" E | 30° 48' 53" N<br>78° 13' 24" E | 25               | Near Chhatanga Village | Slope           |
| 11                                                                                                        | 66.350   | 66.450 | 30° 51' 48" N<br>78° 17' 46" E | 30° 52' 16" N<br>78° 17' 55" E | 100              | Near Kharadi Village   | Muck Dumping Zi |
| 12                                                                                                        | 68.100   | 68.200 | 30° 52' 26" N<br>78° 18' 06" E | 30° 52' 26" N<br>78° 18' 06" E | 100              | Near Kuthnaur Village  | Slope           |
| 13                                                                                                        | 68.750   | 68.850 | 30° 52' 16" N<br>78° 18' 11" E | 30° 52' 16" N<br>78° 18' 16" E | 100              | Near Kuthnaur Village  | Slope           |



| Package-6: Rudraprayag (km 0.00) to Gaurikund (km 76.00) of NH-109 (old)                       |          |                        |                                  |                           |                  |                      |                                                                                                                                                    |
|------------------------------------------------------------------------------------------------|----------|------------------------|----------------------------------|---------------------------|------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| from km. 0.00 (Design km. 0.00) to km. 16.440 (Design km. 18.700) including Rudraprayag Bypass |          |                        |                                  |                           |                  |                      |                                                                                                                                                    |
| S. No                                                                                          | Chainage |                        | Cordinate[Northing & Easting]    |                           | Length (in mtr.) | Location Name        | Remarks                                                                                                                                            |
|                                                                                                | From     | To                     | From                             | To                        |                  |                      |                                                                                                                                                    |
| 1                                                                                              | 0+180    | 0+300 (R/H Hill Side)  | 78°58'7.99" E<br>30°16'56.69" N  | E30.274617,<br>N78.965136 | 120              | Rudhraprayag by-pass | height of embankment and steep slope upto 31 m, for imideate measure vulnerable slope has been protected by providing gabion wall heigh upto 12 m. |
| 2                                                                                              | 2+130    | 2+300 (B/S DFO)        | 78°58'25.19" E<br>30°17'15.14" N | E30.278286, N78.966166    | 170              | Below DFO office     | Special treatment required                                                                                                                         |
| 3                                                                                              | 13+000   | 13+450 (R/H Hill Side) | 78°58'45.84" E<br>30°21'46.12" N | E30.364431, N78.979904    | 450              | Rampur               | after removal of loose mass/ scaling no landslide occure it is still uner observation.                                                             |

| from existing km. 16.545 to km. 57.975 (Design chainage 18.700 to km 63.700) excluding khat village |          |        |                                 |                                 |                  |               |                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------|----------|--------|---------------------------------|---------------------------------|------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S. No                                                                                               | Chainage |        | Cordinate[Northing & Easting]   |                                 | Length (in mtr.) | Location Name | Remarks                                                                                                                                                                        |
|                                                                                                     | From     | To     | From                            | To                              |                  |               |                                                                                                                                                                                |
| 4                                                                                                   | 28+900   | 29+300 | 79°2'36.60" E<br>30°15'57.24" N | 79°04'31" E<br>30°27'06" N      | 400              | Banswada      | Sliding zone at Banswada.<br>Height of embankment & steep slope upto 65 mtr is there<br>Either side Gabion work is in progress and middle portion special treatment is require |
| 5                                                                                                   | 30+100   | 30+500 | 79°2'36.96" E<br>30°16'22.08" N | 79°04'35" E<br>30°27'32" N      | 400              | Banswaca      | Sliding zone at Banswada.<br>Height of embankment & steep slope upt 65 mtr is there<br>For immediate measures gabion wall work in progress up to 8 mtr hight.                  |
| 6                                                                                                   | 34+000   | 34+200 | 79°3'2.52" E<br>30°17'29.04" N  | 79°05'06" E<br>30°29'10" N      | 200              | Kakadagad     | Sinking zone & Sliding zone at Kakdagad<br>For immediate measure vulnerable slope h been protected by providing gabion wall upto 8 ntr height.                                 |
| 7                                                                                                   | 48+940   | 49+020 | 79°3'0.12" E<br>30°19'9.48" N   | 79°05'0.77" E<br>30°31'56.99" N | 80               | Nala          | Sinking zone at Nala                                                                                                                                                           |



|    |        |        |                                 |                                  |     |                    |                                                                                                                         |
|----|--------|--------|---------------------------------|----------------------------------|-----|--------------------|-------------------------------------------------------------------------------------------------------------------------|
| 8  | 53+290 | 53+600 | 79°2'17.16" E<br>30°19'57.36" N | 79°03'52.84" E<br>30°33'14.12" N | 310 | Byungad            | Sinking zone at Devidhar.                                                                                               |
| 9  | 54+630 | 55+300 | 79°1'59.28" E<br>30°19'57.72" N | 79°03'01.84" E<br>30°33'10.02" N | 670 | Byungad & Khumera. | Sinking zone & Sliding zone at Byun Khumera.                                                                            |
| 10 | 63+010 | 63+040 | 79°0'55.08" E<br>30°21'3.24" N  | 79°01'55.22" E<br>30°35'09.63" N | 30  | Jammu              | Sliding zone at Jamu.<br>Height of embankment & steep slope<br>20 mtr is there<br>Land slide continue and uner observat |

| Kund Bypass from Existing Chainage Km. 33+130 to Km. 41+260 Design Chainage Km. 35+130 to Km. 47+700 |          |        |                                |                                |                  |               |              |
|------------------------------------------------------------------------------------------------------|----------|--------|--------------------------------|--------------------------------|------------------|---------------|--------------|
| S. No                                                                                                | Chainage |        | Cordinate[Northing & Easting]  |                                | Length (in mtr.) | Location Name | Remarks      |
|                                                                                                      | From     | To     | From                           | To                             |                  |               |              |
| 11                                                                                                   | 38+060   | 38+150 | 30°30'18.50"N<br>79° 5'6.17"E  | 30°30'14.94"N<br>79° 5'6.52"E  | 90               | Singoli       | Sinking Zone |
| 12                                                                                                   | 38+670   | 38+720 | 30°30'3.29"N<br>79° 5'6.31"E   | 30°30'1.51"N<br>79° 5'7.06"E   | 50               | Singoli       | Sinking Zone |
| 13                                                                                                   | 39+050   | 39+150 | 30°30'7.67"N<br>79° 5'0.30"E   | 30°30'10.31"N<br>79° 5'1.14"E  | 100              | Singoli       | Sliding Zone |
| 14                                                                                                   | 39+700   | 39+750 | 30°30'13.67"N<br>79° 4'52.45"E | 30°30'14.02"N<br>79° 4'50.96"E | 50               | Singoli       | Sinking Zone |
| 15                                                                                                   | 40+680   | 40+730 | 30°30'13.18"N<br>79° 4'23.06"E | 30°30'13.71"N<br>79° 4'22.10"E | 50               | Namoli        | Sinking Zone |
| 16                                                                                                   | 40+940   | 41+340 | 30°30'16.41"N<br>79° 4'14.56"E | 30°30'21.23"N<br>79° 4'1.42"E  | 100              | Lwara         | Sinking Zone |
| 17                                                                                                   | 42+490   | 42+550 | 30°30'30.07"N<br>79° 3'24.34"E | 30°30'29.75"N<br>79° 3'22.41"E | 60               | Lwara         | Sinking Zone |
| 18                                                                                                   | 42+620   | 42+700 | 30°30'30.10"N<br>79° 3'18.81"E | 30°30'32.25"N<br>79° 3'17.27"E | 80               | Lwara         | Sliding Zone |
| 19                                                                                                   | 44+575   | 44+650 | 30°30'53.48"N<br>79° 3'56.64"E | 30°30'55.54"N<br>79° 3'54.58"E | 75               | Khal          | Sliding Zone |

| from existing Km. 57.975 to km. 68.600(Fata to Sitapur) |          |    |                               |    |                  |               |         |
|---------------------------------------------------------|----------|----|-------------------------------|----|------------------|---------------|---------|
| S. No                                                   | Chainage |    | Cordinate[Northing & Easting] |    | Length (in mtr.) | Location Name | Remarks |
|                                                         | From     | To | From                          | To |                  |               |         |



|    |        |        |                                       |                                       |     |              |                                                                                                                                                                           |
|----|--------|--------|---------------------------------------|---------------------------------------|-----|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | 65+410 | 65+460 | 79°1'47.86903" E<br>30°35'28.87793" N | 79°1'47.86903" E<br>30°35'28.87793" N | 50  | Chandikadhar | Sliding zone at Chandikadhar.<br>Height of embankment & steep slope upto 50 m<br>is there<br>For immediate measures gabion wall work is<br>completed up to 8 mtr hight.   |
| 21 | 65+520 | 65+560 | 79°1'46.02263" E<br>30°35'30.23236" N | 79°1'46.02263" E<br>30°35'30.23236" N | 40  | Chandikadhar | Sliding zone at Chandikadhar.<br>Height of embankment & steep slope upto 45<br>mtr is there<br>For immediate measures gabion wall work is<br>completed up to 8 mtr hight. |
| 22 | 69+850 | 69+980 | 79°0'55.43161" E<br>30°36'42.69337" N | 79°0'55.43161" E<br>30°36'42.69337" N | 130 | Sersi        | Sliding & Sinking zone at Sersi.<br>Height of embankment & steep slope upto 45 m<br>is there<br>Land sliding continue.                                                    |
| 23 | 71+400 | 71+520 | 79°0'34.92806" E<br>30°37'8.2794" N   | 79°0'34.92806" E<br>30°37'8.2794" N   | 120 | Rampur       | Sinking zone at Rampur.                                                                                                                                                   |



**Package-7: Tanakpur (km 52.00) to Pithoragarh (km 202.00) of NH-125 (old)**

from existing km. 52.200 (Tanakpur) to km 92.880 (Belkhet)

| S. No | Chainage |        | Coordinate[Northing & Easting] |                             | Length (in mtr.) | Location Name | Remarks          |
|-------|----------|--------|--------------------------------|-----------------------------|------------------|---------------|------------------|
|       | From     | To     | From                           | To                          |                  |               |                  |
|       |          |        |                                |                             |                  |               |                  |
| 1     | 65+250   | 65+350 | 80°5'29.94E<br>29°8'18.05N     | 80°5'32.80E<br>29°8'19.88N  | 100              |               |                  |
| 2     | 66+000   | 66+200 | 80°5'33.95E<br>29°8'39.13N     | 80°5'32.80E<br>29°8'33.16N  | 200              | Bend          | As per Agreement |
| 3     | 69+960   | 70+110 | 80°4'51.93E<br>29°8'39.99E     | 80°4'48.82E<br>29°8'50.30N  | 150              | Amru Bend     | As per Agreement |
| 4     | 75+820   | 76+020 | 80°5'21.04E<br>29°10'27.69N    | 80°5'14.20E<br>29°10'25.40N | 200              | Sukhidhang    | As per Agreement |
| 5     | 81+530   | 81+630 | 80°5'40.16E<br>29°11'14.01N    | 80°5'36.59E<br>29°11'13.12N | 100              | Sinyari       | As per Agreement |
| 6     | 85+600   | 85+750 | 80°5'47.65E<br>29°11'39.36N    | 80°5'45.77E<br>29°11'43.81N | 150              | Chalthi       | As per Agreement |
| 7     | 90+630   | 91+030 | 80°3'30.21E<br>29°11'53.46N    | 80°3'32.81E<br>29°12'4.05N  | 400              | Belkhet       | As per Agreement |
| 8     | 67+420   | 67+540 | 80°5'13.69E<br>29°8'16.94N     | 80°5'9.84E<br>29°9'24.52N   | 120              | Tipin Top     | Additional       |
| 9     | 78+480   | 78+600 | 80°5'7.41E<br>29°11'3.98N      | 80°5'7.84E<br>29°11'7.52N   | 120              | Near Sinyari  | Additional       |

from existing km. 92.880 (Belkhet) to km 121.550 (Champawat)(design chainage km 91.550 to km 120.455)

| S. No | Chainage |         | Coordinate[Northing & Easting] |                             | Length (in mtr.) | Location Name | Remarks          |
|-------|----------|---------|--------------------------------|-----------------------------|------------------|---------------|------------------|
|       | From     | To      | From                           | To                          |                  |               |                  |
|       |          |         |                                |                             |                  |               |                  |
| 10    | 92+350   | 92+500  | 80°3'2.15E<br>29°12'48.61N     | 80°3'6.64E<br>29°12'48.45N  | 150              | Belkhet       | As per Agreement |
| 11    | 103+470  | 103+570 | 80°3'33.07E<br>29°15'10.87N    | 80°3'29.67E<br>29°15'11.18N | 100              | Swala         | As per Agreement |
| 12    | 110+680  | 110+810 | 80°5'51.18E<br>29°15'44.27N    | 80°5'53.49E<br>29°15'47.75N | 130              | Dhoun         | As per Agreement |
| 13    | 111+00   | 111+050 | 80°5'53.44E<br>29°15'53.30N    | 80°5'54.98E<br>29°15'53.99N | 50               | Dhoun         | As per Agreement |
| 14    | 111+500  | 111+550 | 80°5'56.27E<br>29°16'6.00N     | 80°5'56.14E<br>29°16'7.49N  | 50               | Dhoun         | As per Agreement |
| 15    | 111+550  | 111+700 | 80°5'56.69E<br>29°16'9.03N     | 80°5'57.26E<br>29°16'11.73N | 150              | Dhoun         | Additional       |
| 16    | 104+900  | 104+980 | 80°3'57.94E<br>29°15'29.48N    | 80°40.34E<br>29°15'29.82N   | 80               | Swala         | Additional       |



| S. No | Chainage |         | Coordinate[Northing & Easting] |                            | Length (in mtr.) | Location Name | Remarks    |
|-------|----------|---------|--------------------------------|----------------------------|------------------|---------------|------------|
|       | From     | To      | From                           | To                         |                  |               |            |
| 17    | 94+780   | 94+870  | 802°49.72E<br>29°13'17.67N     | 802°49.69E<br>29°13'20.09N | 90               | Amori         | Additional |
| 18    | 102+550  | 102+700 | 80°46.41E<br>29°15'10.65N      | 80°359E<br>29°15'10.24N    | 150              | Swala         | Additional |
| 19    | 106+700  | 106+900 | 80°434.79E<br>29°15'38.18N     | 80°440.87E<br>29°15'39.24N | 200              | Swala         | Additional |
| 20    | 101+170  | 101+300 | 80°347.78E<br>29°14'47.75N     | 80°352.32E<br>29°14'48.28N | 130              | Swala         | Additional |
| 21    | 107+760  | 107+850 | 80°456.55E<br>29°15'39.21N     | 80°459.64E<br>29°15'38.94N | 90               | Dhoun         | Additional |
| 22    | 92+600   | 92+750  | 80°310.19E<br>29°12'48.81N     | 80°313.80E<br>29°12'52.46N | 150              | Belkhet       | Additional |
| 23    | 94+980   | 95+070  | 80°251.68E<br>29°13'23.20N     | 80°254.15E<br>29°13'25.11N | 90               | Amori         | Additional |
| 24    | 96+220   | 96+280  | 80°321.68E<br>29°13'36.15N     | 80°323.77E<br>29°13'35.47N | 60               | Amori         | Additional |
| 25    | 92+900   | 93+000  | 80°316.52E<br>29°12'56.49N     | 80°318.19E<br>29°12'51.53N | 102              | Belkhet       | Additional |
| 26    | 100+040  | 100+172 | 80°321.65E<br>29°14'36.65N     | 80°322.55E<br>29°14'19.51N | 132              | Swala         | Additional |
| 27    | 106+480  | 106+561 | 80°430.85E<br>29°15'40.17N     | 80°435.16E<br>29°15'36.82N | 81               | Swala         | Additional |
| 28    | 112+620  | 112+720 | 80°547.45E<br>29°16'31.90N     | 80°551.76E<br>29°16'28.35N | 100              | Dhoun         | Additional |

from existing km. 126.730 (Champawat) to km 163.000 (Bhartoli)

| S..No | Chainage |         | Coordinate[Northing & Easting] |                            | Length (in mtr.) | Location Name          | Remarks             |
|-------|----------|---------|--------------------------------|----------------------------|------------------|------------------------|---------------------|
|       | From     | To      | From                           | To                         |                  |                        |                     |
| 29    | 145+160  | 145+190 | 80°546.57E<br>29°26'9.30N      | 80°546.67E<br>29°26'9.80N  | 30               | marodakhan             | As per Agreement    |
| 30    | 148+440  | 148+480 | 80°526.60E<br>29°26'46.63N     | 80°526.60E<br>29°26'46.63N | 40               | Hear GUMOD             | As per Agreement    |
| 31    | 153+980  | 154+010 | 80°440.77E<br>29°27'43.65N     | 80°440.77E<br>29°27'43.65N | 30               | Nirmal hotel barakote. | As per Agreement    |
| 32    | 158+645  | 158+685 | 80°518.14E<br>29°28'55.79N     | 80°518.14E<br>29°28'55.79N | 40               | Bhartoli               | As per Agreement    |
| 33    | 162+100  | 162+130 | 80°557.13E<br>29°29'52.02N     | 80°557.13E<br>29°29'52.02N | 30               | Isadipo                | As per Agreement    |
| 34    | 128+420  | 128+470 | 80°530.89E<br>29°21'16.85N     | 80°530.89E<br>29°21'16.85N | 50               | Tilon                  | Additional Required |



| S. No | Chainage |         | Coordinate[Northing & Easting] |                              | Length (in mtr.) | Location Name            | Remarks             |
|-------|----------|---------|--------------------------------|------------------------------|------------------|--------------------------|---------------------|
|       | From     | To      | From                           | To                           |                  |                          |                     |
| 35    | 128+510  | 128+570 | 80°52'27.70E<br>29°21'16.07N   | 80°52'27.70E<br>29°21'16.07N | 60               | Tilon                    | Additional Required |
| 36    | 128+640  | 128+680 | 80°52'3.69E<br>29°21'18.49N    | 80°52'3.69E<br>29°21'18.49N  | 40               | Tilon                    | Additional Required |
| 37    | 129+750  | 129+790 | 80°52'0.60E<br>29°21'38.07N    | 80°52'0.60E<br>29°21'38.07N  | 30               | Tilon                    | Additional Required |
| 38    | 144+120  | 144+150 | 80°54'9.73E<br>29°25'55.90N    | 80°54'9.73E<br>29°25'55.90N  | 30               | Marodakhan               | Additional Required |
| 39    | 148+560  | 148+580 | 80°52'8.73E<br>29°26'40.49N    | 80°52'8.73E<br>29°26'40.49N  | 20               | Near GUMOD               | Additional Required |
| 40    | 148+670  | 148+770 | 80°52'6.60E<br>29°26'38.61N    | 80°52'6.60E<br>29°26'38.61N  | 100              | Near GUMOD               | Additional Required |
| 41    | 152+380  | 152+350 | 80°42'4.82E<br>29°27'8.61N     | 80°42'4.82E<br>29°27'8.61N   | 30               | Khulka                   | Additional Required |
| 42    | 152+480  | 152+530 | 80°42'5.75E<br>29°27'11.79N    | 80°42'5.75E<br>29°27'11.79N  | 50               | Khulka                   | Additional Required |
| 43    | 152+570  | 152+750 | 80°42'8.02E<br>29°27'13.11N    | 80°42'8.02E<br>29°27'13.11N  | 80               | Khulka                   | Additional Required |
| 44    | 152+920  | 152+980 | 80°43'5.21E<br>29°27'19.77N    | 80°43'5.21E<br>29°27'19.77N  | 60               | Khulka                   | Additional Required |
| 45    | 154+390  | 154+410 | 80°44'9.32E<br>29°27'41.65N    | 80°44'9.32E<br>29°27'41.65N  | 20               | Nirmal hotel barakote.   | Additional Required |
| 46    | 155+060  | 155+090 | 80°5'6.97E<br>29°27'35.86N     | 80°5'6.97E<br>29°27'35.86N   | 30               | Santola                  | Additional Required |
| 47    | 155+650  | 155+740 | 80°5'16.52E<br>29°27'47.46N    | 80°5'16.52E<br>29°27'47.46N  | 90               | Santola                  | Additional Required |
| 48    | 155+940  | 156+010 | 80°5'16.92E<br>29°27'50.21N    | 80°5'16.92E<br>29°27'50.21N  | 70               | Santola                  | Additional Required |
| 49    | 157+920  | 157+950 | 80°53'0.03E<br>29°28'43.39N    | 80°53'0.03E<br>29°28'43.39N  | 30               | Bhartoli                 | Additional Required |
| 50    | 159+580  | 159+610 | 80°52'1.13E<br>29°29'8.74N     | 80°52'1.13E<br>29°29'8.74N   | 30               | Churani near ustaj hotel | Additional Required |
| 51    | 162+200  | 162+260 | 80°53'1.0E<br>29°29'51.69N     | 80°53'1.0E<br>29°29'51.69N   | 60               | Lisadipo                 | Additional Required |
| 52    | 162+450  | 162+480 | 80°54'9.83E<br>29°29'57.42N    | 80°54'9.83E<br>29°29'57.42N  | 30               | Lisadipo                 | Additional Required |
| 53    | 162+640  | 162+660 | 80°52'7.6E<br>29°30'0.91N      | 80°52'7.6E<br>29°30'0.91N    | 20               | Lisadipo                 | Additional Required |



| S. No                                                                                                   | Chainage |         | Coordinate[Northing & Easting] |                              | Length (in mtr.) | Location Name                | Remarks             |
|---------------------------------------------------------------------------------------------------------|----------|---------|--------------------------------|------------------------------|------------------|------------------------------|---------------------|
|                                                                                                         | From     | To      | From                           | To                           |                  |                              |                     |
| from existing km km 163.000 (Bhartoli) to 194.800 (Pithoragarh) (design chainage 160.880 to km 192.320) |          |         |                                |                              |                  |                              |                     |
| S. No                                                                                                   | Chainage |         | Coordinate[Northing & Easting] |                              | Length (in mtr.) | Location Name                | Remarks             |
|                                                                                                         | From     | To      | From                           | To                           |                  |                              |                     |
| 54                                                                                                      | 163+500  | 163+600 | 80°6'9.43E<br>29°30'0.18N      | 80°6'9.43E<br>29°30'0.18N    | 100              | Near Churani                 | As per Agreement    |
| 55                                                                                                      | 165+410  | 165+510 | 80°7'1.56E<br>29°29'37.22N     | 80°7'1.56E<br>29°29'37.22N   | 100              | near Timta bend              | As per Agreement    |
| 56                                                                                                      | 170+400  | 170+500 | 80°7'54.34E<br>29°30'3.43N     | 80°7'54.34E<br>29°30'3.43N   | 100              | Near Mena Bajar              | As per Agreement    |
| 57                                                                                                      | 179+850  | 179+950 | 80°8'25.42E<br>29°30'55.29N    | 80°8'25.42E<br>29°30'55.29N  | 100              | Near tappar                  | As per Agreement    |
| 58                                                                                                      | 191+920  | 191+876 | 80°12'24.7E<br>29°33'39.61N    | 80°12'24.71E<br>29°33'39.61N | 65.624           | Toli Road near Dhamoura      | Additional Required |
| 59                                                                                                      | 191+920  | 191+988 | 80°12'23.90E<br>29°33'40.63N   | 80°12'23.90E<br>29°33'40.63N | 100.227          | near petrol pump             | Additional Required |
| 60                                                                                                      | 190+800  | 190+776 | 80°12'6.51E<br>29°33'33.25N    | 80°12'6.51E<br>29°33'33.25N  | 34.94            | manjubala House              | Additional Required |
| 61                                                                                                      | 190+15   | 190+198 | 80°11'50.75E<br>29°33'22.01N   | 80°11'50.75E<br>29°33'22.01N | 71.94            | Haruman Mandir Lampata       | Additional Required |
| 62                                                                                                      | 186+050  | 186+188 | 80°10'15.45E<br>29°32'28.58N   | 80°10'15.45E<br>29°32'28.58N | 136.486          | sirmorra                     | Additional Required |
| 63                                                                                                      | 185+917  | 185+847 | 80°10'15.67E<br>29°32'20.50N   | 80°10'15.67E<br>29°32'20.50N | 105.565          | sirmorra                     | Additional Required |
| 64                                                                                                      | 185+620  | 185+576 | 80°10'16.22E<br>29°32'12.31N   | 80°10'16.22E<br>29°32'12.31N | 63.899           | Igardevi Naveen pandey House | Additional Required |
| 65                                                                                                      | 185+520  | 185+422 | 80°10'16.89E<br>29°32'8.43N    | 80°10'16.89E<br>29°32'8.43N  | 145.281          | Igardevi                     | Additional Required |
| 66                                                                                                      | 179+100  | 179+056 | 80°8'12.60E<br>29°31'4.50N     | 80°8'12.60E<br>29°31'4.50N   | 66.447           | dhanula                      | Additional Required |
| 67                                                                                                      | 176+550  | 176+518 | 80°7'54.12E<br>29°30'55.08N    | 80°7'54.12E<br>29°30'55.08N  | 46.97            | chupkot                      | Additional Required |
| 68                                                                                                      | 170+290  | 170+176 | 80°7'49.72E<br>29°30'0.79N     | 80°7'49.72E<br>29°30'0.79N   | 113.984          | Dilli bend                   | Additional Required |
| 69                                                                                                      | 168+580  | 168+626 | 80°7'58.34E<br>29°29'26.65N    | 80°7'58.34E<br>29°29'26.65N  | 67.657           | Ghat Bend                    | Additional Required |
| 70                                                                                                      | 167+350  | 167+355 | 80°7'32.90E<br>29°29'48.36N    | 80°7'32.90E<br>29°29'48.36N  | 5.103            | Ghat Pul                     | Additional Required |
| 71                                                                                                      | 165+090  | 165+186 | 80°6'54.10E<br>29°29'40.25N    | 80°6'54.10E<br>29°29'40.25N  | 142.318          | Timta Bend                   | Additional Required |



| S. No | Chainage |         | Cordinate[Northing & Easting] |                              | Length (in mtr.) | Location Name           | Remarks             |
|-------|----------|---------|-------------------------------|------------------------------|------------------|-------------------------|---------------------|
|       | From     | To      | From                          | To                           |                  |                         |                     |
| 72    | 164+275  | 164+311 | 80°7'19.22E<br>29°29'32.42N   | 80°7'19.22E<br>29°29'32.42N  | 53.268           | Madan Hotel             | Additional Required |
| 73    | 163+900  | 163+974 | 80°7'12.41E<br>29°29'37.66N   | 80°7'12.41E<br>29°29'37.66N  | 110.115          | Near Tej singh HOUSE    | Additional Required |
| 74    | 185+059  |         | 80°10'13.25E<br>29°31'56.32N  | 80°10'13.25E<br>29°31'56.32N | 14.839           | Igardevi near toli road | Additional Required |