

CURRICULUM VITAE (CV)

Name: Nitesh Kumar Goyal

DOB: 09th July 1976

Designation: Scientist F & Alternate Head, Bridge Engineering & Structures Division

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Educational Qualification

Qualification	Specialization/ Subject(s)	Year	Division	University/ Institute	Additional Information
M.E.	Transportation Engineering	2000	84 %	University of Roorkee	Distinction
B.E.	Civil Engineering	1998	78 %	Pt Ravi Shankar Shukla University, Raipur	Distinction

Professional Experience: In reverse chronological order

Grade/ Post	Estt./ Lab/ Instt.	Duration From	Duration To	Remarks
Scientist F	CSIR- CRRI, New Delhi	11.10.2022	Till date	R & D, Consultancy works
Deputy General Manager (Tech)	National Highways Authority of India	09.08.2016	08.01.2023	NHDP Programme
Principal Scientist	CSIR- CRRI, New Delhi	11.10.2015	10.10.2022	R & D, Consultancy works, Faculty AcSIR
Senior Scientist	CSIR- CRRI, New Delhi	11.10.2010	10.10.2015	R & D, Consultancy works
Manager (Tech)	National Highways Authority of India	05.05.2008	26.07.2012	NHDP Programme
Scientist C	CSIR- CRRI, New Delhi	11.10.2005	10.10.2010	R & D, Consultancy works
Scientist B	CSIR- CRRI, New Delhi	11.10.2001	10.10.2005	R & D, Consultancy works
Fellow Scientist	CSIR-CRRI, New Delhi	February 2001	10.10.2001	R & D works
Assistant Manager	M/s ICT Pvt Ltd, New Delhi	July 2000	January 2001	Highway Consultancy works

List of some important projects undertaken at M/s ICT Pvt Ltd, New Delhi (wef July 2000 to January 2001)

1. Consultancy Services for Survey Investigation and Preparation of Madhya Pradesh State Road Project sponsored by M.P. PWD.

In the project undersigned was responsible for supervision of all types of traffic survey like 07 days traffic count, axle load survey, origin & destination studies, turning movement survey etc; analysis of collected traffic data, future traffic projection etc to be used in preparation of Detailed Project Report for the stretches.

2. Development of Adequate Road Connectivity to Cochin Port in Kerala sponsored by NHAI. (Input 06 months)

In the project undersigned was responsible for supervision of all types of traffic survey like 07 days traffic count, axle load survey, origin & destination studies, turning movement survey etc; analysis of collected traffic data, future traffic projection etc to be used in preparation of Detailed Project Report for the stretches.

List of some important projects undertaken at CSIR-Central Road Research Institute (CRRI), New Delhi (wef February 2001 to April 2008; August 2012 to July 2016 and further from January 2023 to till date)

1. Investigation, Instrumentation and Monitoring of Landslide at Patalganga sponsored by Department of Science & Technology.

In the project undersigned was responsible for supervision of preparation of topographic map of the slide in the scale of 1: 500 and further stability analysis and design of remedial measures for prevention of landslide at Patalganga.

2. GIS Based Subsurface Geotechnical Map of Delhi sponsored by Department of Science & Technology.

The scope of the work includes preparation of database for available subsurface geotechnical properties of soil with various government and private organisations in Delhi area. About 2000 borehole data were collected and compiled in the database which was subsequently used in the preparation of Microzonation Map of Delhi.

3. Construction of Road using Flyash at Dandeli, Karnataka sponsored by RGRHCL, Bangalore.

In the project, field demonstration were provided to the Engineers of RGRHCL regarding the methodology for the construction of colony road using fly ash and various quality control tests during the construction.

4. Report on Technical Inspection of Construction Package NS-20 & NS-21, Project Implementation Unit, Gwalior under NHDP sponsored by CAG. (Input 03 months)

CAG awarded the project to CRRI for doing the technical audit of the packages. During the audit on sample basis documents/field tests data etc were examined and matched with the requirement of the agreement/standards.

5. Monitoring and Instrumentation of Band Drain Work for Development of Adequate Road Connectivity at Visakhapatnam Port Area sponsored by NHAI. (Input 06 months)

NHAI sponsored the project to CRRI with the scope of work to instrument the stretch with piezometers, inclinometers etc and to monitor the instruments for a particular period. The instrumented data were also analyzed for calculating the rate of settlement/consolidation.

6. Agro Based Geotextile System for Efficient Drainage and Stabilization sponsored by Planning Commission.

Rural road test stretches were designed using jute geotextile. Performance monitoring of the said stretches constructed using jute geotextile were also done for a period of two years in the project.

7. Pilot Project for Construction of Roads under PMGSY with Jute Geotextile sponsored by JMDC, Kolkata

Rural road test stretches were designed using jute geotextile. Performance monitoring of the said stretches constructed using jute geotextile were also done for a period of two years in the project.

8. Study of Landslide & Rockfall on Mumbai-Pune Expressway sponsored by MSRDC.

In the project undersigned was responsible for investigate, analyse and design of suitable remedial measures for prevention of landslides & rockfall at critical referred locations.

9. Supra Institutional Project Development of Management System for Maintenance Planning and Budgeting of High Speed Road Corridors.

In the project undersigned was responsible for development of management system for maintenance planning and budgeting of high speed corridors affected by landslides.

10. Consultancy Service for Quality Audit of Lucknow-Muzaffarpur National Highway Project sponsored by NHAI. (Input 06 months)

As per the World Bank requirement, NHAI awarded the project to CRRI for doing the technical audit of the 08 packages on Lucknow-Muzaffarpur NH project. During the audit on sample basis documents/field tests data etc were examined and matched with the requirement of the agreement/standards.

11. Performance Evaluation of Geogreen Blanket for Slope Stabilization and Erosion Control in Highway.

In the project performance of the Geogreen Blanket used for slope stabilization and erosion control in highways were evaluated.

12. Design of remedial measures for outward shifting/tilting of crash barrier at down ramp of MVLR.

The scope of the work includes design of remedial measures for prevention of outward/tilting of crash barrier at down ramp of Mayur Vihar Link Road on DND.

13. Preparation of Data-Base of Conventional/ Waste/ Marginal Materials for Construction of Embankment and Pavement Layers sponsored by NRRDA.

The scope of the work includes preparation of database in GIS and evaluating the properties of locally available material for construction of rural roads in the districts of Gwalior and Jabalpur in the State of Madhya Pradesh and Darbhanga and Bhagalpur in the State of Bihar. Project is presently in-progress.

14. Sinking / Landslide affected 12 stretches in NH – 54 package AS – 21 sponsored by NHAI.

In the project undersigned was responsible for investigate, analyse and design of suitable remedial measures for prevention of landslides at 12 critical referred locations. The report for the project has been submitted to NHAI.

15. Supervision of Balance Schedule-I Tests Specified in the Concession Agreement Related to the Project of Six Laning of the Existing Road from Km 364.125 to Km 396.000 and Km 0.000 to Km 58.245 on Kishangarh-Ajmer-Beawar Section of NH-8 in the State of Rajasthan sponsored by NHAI & M/s Soma-Isolux Kishangarh Beawar Tollway Private Limited. (Input 02 months)

In the project undersigned was responsible for supervision of balance Schedule-I tests i.e. Cross Section Test and the Test Drive Survey as per the Concession Agreement. The final report has been submitted.

16. Examination of works as per direction of Hon'ble High Court of Delhi regarding Four Laning of Gujarat/Maharashtra Border-Surat-Hazira Port Section of NH-6 in the State of Gujarat on DBFOT (Toll) under NHDP Phase-III. (Input 02 months)

In the project undersigned was responsible for examination of works as per direction of Hon'ble High Court of Delhi. The final report has recently been submitted.

17. Quality Audit of Six Laning Shamlaji to Motachiloda section, NH-8, Ahmadabad, Gujarat (Input 02 months).

18. To Study the corrosion susceptibility of various reinforcement bar material/ structural steel including anti-corrosion coatings concrete treated with surface coating under different environment exposures condition(Input 02 months)

19. External Technical/Quality Audit of 16-lane carriageway of UER-II (NH-344M & NH-344N) and Dwarka Expressway (NH-248BB) under PIU Dwarka, New Delhi(Input 06 months)

20. Construction of Eight Lane Access Controlled Expressway starting near Junction with NH-12 near village Ummedpura to Major Bridge over Taakli River Nayagaon Jageer Village (Ch 419.000-427.300) section of Delhi-Vadodara Green Field Alignment (NH-148N) under Bharatmala Pariyojna in the State of Rajasthan on EPC Mode (Package-15) : Investigation of face log data due to change of rock classification” (Input 06 months)

21. Technical Consultancy works for Structural safety Audit of Yamuna Bridge situated at Km 62.740 of NH-86 in District Hamirpur and Ganga Bridge at Km 76.563 on NH-27 in District Kanpur Nagar in the state of Uttar Pradesh(Input 06 months)

22. Structural Health Assessment of Existing Major Bridge of about 85m (7mx12nos) at Km 63+604, part of 4 laning of NH-353B from Govindpur (MH/TG Border) Design Km 32.910 to Rajura Border, Design Ch 89.090 in the State of Maharashtra(Input 01 months)

23. Structural Audit of Intersections, Minor Bridges and Underpass at Different Location of Yamuna Expressway (from Greater Noida to Agra, 176 Km approx) in Uttar Pradesh(Input 01 months)

24. Detailed Investigation and NDT of 6-lane Structures falling in the stretch of Udaipur-Ratanpur-Shamlaji from Km 333.585 to Km 446.515 (113.800 Km approx) of NH-8 constructed on DBFOT (Toll) Mode under NHDP Phase V in the State of Rajasthan and Gujarat(Input 01 months)

25. Investigation of failure of pavement and structures of Delhi-Vadodara Greenfield Alignment (DVGA, NH-148N) from Ch. 151+840 to Ch 183+000 (Keshopura Road Junction with NH-1) Pkg -06; 31.16 Km (Input 01 months)

26. Structural Health Assessment of Existing Minor Bridge at Km 03+250 on Two/Four Laning of Raebareli-Jagdishpur Section of NH-330A from Km 0.000 to Km 47.800

(Design Length-46.02 Km) including Jagdishpur Bypass and Excluding 4.1 Km overlapping length of Jagdishpur Bypass with NH-731 (Old NH-56) in the State of Uttar Pradesh on EPC Mode under NH (O)

27. To Carry out Third Party Quality Audit of Structures during construction period for 4-laning of Behsuma- Bijnor section of NH-119 (New NH-34) from Design Ch 39.250 Km (Existing chainage 39/240) to Design Ch 78.810 km (Existing chainage 89/950) with Design length 39.560 Km in the State of Uttar Pradesh on Hybrid Annuity Mode under Bharatmala Pariyojna
28. Load Testing of Five Bridges of Cuttak-Angul Section (Pkg-1) of NH-42 (New NH-55) in the State of Odisha

List of Publications

1. Chandra S. & Goyal N.K., “Effect of Grade on Capacity of Two – Lane Roads” ; Highway Research Board, Indian Roads Congress, Vol No. 64, pp 77-86, June 2001.
2. Bhandari R.K. & Goyal N.K. , “ A Need for Innovation in Slope Reinforcing Technologies and Future Direction for Research & Application”, National Workshop on Reinforcing Technologies & Control of Landslides, organized by CRRI & CDMM, 16 July 2001.
3. Sikdar P.K., Kumar K, Goyal N.K. & Janardhanan G., “ A Critical Review of Landslide Hazard Zonation Practices and the Directions for Future”, Indo – China Joint Workshop on Natural Disasters, organized by CRRI & CDMM, Sponsored by DST, pp 54-76, 21-23 January 2002.
4. Bhagwan J, Goyal N.K. & Phule S., “ Disaster Knowledge Network-Landslide Focus”, Indo – China Joint Workshop on Natural Disasters, organized by CRRI & CDMM, Sponsored by DST, pp 150-151, 21-23 January 2002.
5. Panigrahi R.K., Bhagwan J & Goyal N.K; “ Landslide Disaster Management in India”, National Symposium on Disaster Management, organized by Institute of Advance Technology & Environmental Studies, Human Resource Development Foundation and Natural Resources Development Foundation, Bhubaneswar, 20-22 February 2002.
6. Bhagwan Jai, Panigrahi R.K. & Goyal N.K., “Landslide Investigation in Himalayas – Case Studies”, Indian Rock Conference, ISRMTT, 28-29 November 2002, pp 191-200.
7. Goyal N.K. & Bhagwan Jai, “Disaster Knowledge Network”, “World Congress on Natural Disaster Mitigation held on 19-22 February, 2004 at New Delhi.
8. Sudhir Mathur, Jai Bhagwan & Nitesh Kumar Goyal, “Jute Geotextile for Road Applications – Field Trails by CRRI”, New Building Materials & Construction world, Vol 10, Issue 5, November 2004, pp 100-113
9. Dr Kishor Kumar, Lalita Jhangpangui, N K Goyal, Sarita Rawat, A K Dubey, “GIS Based Subsurface Geotechnical Database and Analysis of Delhi”, Map India, 7-9 February, 2005, New Delhi
10. Dr Kishor Kumar, P S Prasad, N K Goyal, Sudhir Mathur & Dr P K Nanda, “Large Scale Mapping of Patalganga Landslide”, First India Disaster Management Conference, 2006
11. Kishor Kumar, P S Prasad, N K Goyal & Sudhir Mathur, “Study of Rockfall at Amritanjan Bridge Site on Mumbai-Pune Expressway – A Case Study”, Indian Society for Rock Mechanics & Tunneling Technology (ISRMTT) Journal
12. Kishor Kumar, P S Prasad, Sudhir Mathur & N K Goyal, “Study of Rockfall and Subsidence at km 41 on Mumbai-Pune Expressway – A Case Study”, 12th International Conference on “International Association for Computer Method and Advances in Geomechanics (IACMAG)
13. Kishor Kumar, P S Prasad, N K Goyal & Sudhir Mathur, “A Study of Debris and Earth Flow on National Highway – 39, near Kohima, Nagaland, 2th International Conference on “International Association for Computer Method and Advances in Geomechanics (IACMAG)
14. Kishor Kumar, Shivashish Kimothi, N K Goyal, P S Prasad & Sarita Rawat, “Dynamic Nature of Kaliasaur Landslide – A Geomorphological Appraisal” Diamond Jubilee Conference on “Landslide Management : Present Scenario & Future Directions”, 10-12 February 2008, Roorkee
15. Kishor Kumar, P S Prasad, Nitesh Goyal & Sudhir Mathur, “Large Scale Mapping and Monitoring of Patalganga Landslide”, Disaster & Development, Journal of the

National Institute of Disaster Management, New Delhi, Volume 1, Number 2, May 2007, pp 187-196

16. Kishor Kumar, Anil Kathait, P S Prasad, N.K. Goyal, Kanwar Singh, Indervir Singh & S. Gangopadhyay, "Geoenvironmental Appraisal of Landslide Hazards on Highways" 13th ESRI India User Conference, 5-6 December 2012, Noida, Delhi, India.

**List of some important works undertaken at National Highways Authority of India
(NHAI), New Delhi
(w.e.f. May 2008 to July 2012).**

1. Preparation & Evaluation of Request for Proposal (RFP) to appoint technical consultants for preparation of Detailed Project Report/ Feasibility Report (DPR/FR) for various National Highways (NHs) in different States under different NHDP phases (NHDP-V, NHDP-IVB, NHDP-VII etc). (Technical Consultants were appointed for about 4000 kms [about 30 projects each of length varies from 100-200 km] of National Highways including Mega Projects also with approximate Consultancy amount for each project ranging between Rs 2.0-10.0 Crore).
2. Scrutinization of final feasibility report for four/six laning of various NHs submitted by the Technical Consultants.
3. Securitization of Technical Schedules for PPPAC Proposals for various four/six laning projects.
4. Evaluation of Request for Qualification (RFQ) Applications for six/four laning of various NHs received at NHAI. (RFQ Applications for about 2000 kms [about 15 projects each of length varies from 100-200 km] of National Highways were evaluated with the assistance of Financial Consultants with approximate Total Project Cost (TPC) for each project as Rs 1000.00-3000.00 Crore).
5. Preparation and submission of Public Private Partnership Appraisal Committee (PPPAC) Proposal for various NHs stretches (about 2000 km) to Ministry for approval.
6. Preparation & Evaluation of Expression of Interest (EOI) and Request of Proposal (RFP) to appoint Independent Engineers for six/four laning of stretches of NHs to be executed as BOT projects on DBFOT basis.
7. Financial Closure & Appointed Date of various NH stretches.
8. Miscellaneous works pertaining to various awarded/ongoing projects like monitoring of project progress, Arbitration, scrutiny of various proposals related to land acquisitions, utility shifting, change of scope etc.
9. Handled various miscellaneous issues like VIP References, Reply of RTIs, Public Grievances, Parliament Questions etc.
10. Various work pertaining to Corridor Management Division i.e. procurement of Operation & maintenance (O&M) Contractor & the supervision consultants for various stretches under O&M. In addition to it, monitoring of various O&M projects, variation and extension in the ongoing O&M Projects.
11. Various Operation, Maintenance & Transfer (OMT) projects including monitoring of ongoing OMT Projects and various activities like Prequalification of the Applicants (RFQ), SFC Clearance of the Project, Bid Document (RFP), Letter of Award, Signing of Concession Agreement, Financial Close and Appointed Date pertaining to new stretches under OMT(completed under EPC contracts).

During the period i.e. May 2008 to October 2009, I dealt different projects of NHAI under NHDP Phase V in various States of the Country. Broadly, I dealt with various activities and issues related to procurement, award and implementation of civil and consultancy works which includes preparation of RFQ, PPPAC proposals, RFP documents, evaluation of RFQ Applications for BOT Projects, DPR/Feasibility contracts, EOI & RFP documents for Independent Engineers, utility shifting cases, change in scope, Coordination with DPR/

Feasibility Consultants and Financial Consultants for preparation of documents related to the projects to be awarded etc. Besides these, compilation of information for preparation of the replies to RTI Applications, VIP references, Parliament Questions and Assurances and status & progress reports to be submitted to MoR,T&H etc and other related tasks assigned by the Seniors are also handled and dealt by me.

Some of the tasks handled and completed during the period are briefed as under:

	Items	Achievements
1	PPPAC Proposals	<p>Prepared PPPAC proposals timely for submission to MoRT&H and replies to observations of MoRT&H and Planning Commission & DEA Appraisal Notes for the following projects:</p> <ul style="list-style-type: none"> • Six laning of Krishnagiri- Walahjpet Section of km 0.00 to km 148.30 of NH-46 in the State of Tamilnadu under NHDP Phase V. • Six laning of Kishangarh - Udaipur Section of NH-79A, 79 & 76 from km. 364.00 of NH-8 to km 113.800 of NH-76 in the State of Rajasthan under NHDP Phase V. • Six laning of Indore – Dewas Section of NH-3 from km. 577.50 to km 610 & km 0.00 to km 12.6 in the State of Madhya Pradesh under NHDP Phase V. • Six laning of Belgaum - Dharwad Section of NH-4 km 515 to km 433 in the State of Karnataka under NHDP Phase V. • Six-laning of NH-4 from Tumkur (km 75+000) to Chitradurga (km 189+000) Approx. Length 114.000 Km excluding Tumkur & Chitradurga bypasses, in the State of Karnataka. • Six Laning of NH-4 from Kagal (km 592.240) to Satara (km 725.000) Total Length 133.000 Km in the State of Maharashtra. • Six Laning of NH-7 from Krishnagiri (km 93.000) to Hosur (km 33.130) Total Length 59.870 Km, in the State of Tamil Nadu.
2	Procurement for award of civil works	<p>Prepared and assisted as Committee Member in evaluation of RFQ documents for prequalification of bidders for following projects under NHDP Phase V. Undersigned was a committee member constituted by Member (Tech) for evaluation of RFQs.</p> <ul style="list-style-type: none"> • Six laning of Krishnagiri- Walahjpet Section of km 0.00 to km 148.30 of NH-46 in the State of Tamilnadu under NHDP Phase V. • Six laning of Kishangarh - Udaipur Section of NH-79A, 79 & 76 from km. 364.00 of NH-8 to km

		<p>113.800 of NH-76 in the State of Rajasthan under NHDP Phase V.</p> <ul style="list-style-type: none"> • Six laning of Indore – Dewas Section of NH-3 from km. 577.50 to km 610 & km 0.00 to km 12.6 in the State of Madhya Pradesh under NHDP Phase V. • Six laning of Belgaum - Dharwad Section of NH-4 km 515 to km 433 in the State of Karnataka under NHDP Phase V. • Six-laning of NH-4 from Tumkur (km 75+000) to Chitradurga (km 189+000) Approx. Length 114.000 Km excluding Tumkur & Chitradurga bypasses, in the State of Karnataka. • Six Laning of NH-4 from Kagal (km 592.240) to Satara (km 725.000) Total Length 133.000 Km in the State of Maharashtra • Six Laning of NH-7 from Krishnagiri (km 93.000) to Hosur (km 33.130) Total Length 59.870 Km, in the State of Tamil Nadu • Six/Eight Laning of Walajapet-Poonamallee Section of NH-4 From Km 106.800 to Km 13.800 (Length – Km 93.00) in the State of Tamil Nadu to be Executed as Bot (Toll) on DBFOT Pattern Under NHDP Phase – V. <p>Reviewed the RFP documents for the following projects</p> <ul style="list-style-type: none"> • Six laning of Krishnagiri- Walahjpet Section of km 0.00 to km 148.30 of NH-46 in the State of Tamilnadu under NHDP Phase V. • Six laning of Kishangarh - Udaipur Section of NH-79A, 79 & 76 from km. 364.00 of NH-8 to km 113.800 of NH-76 in the State of Rajasthan under NHDP Phase V. • Six laning of Indore – Dewas Section of NH-3 from km. 577.50 to km 610 & km 0.00 to km 12.6 in the State of Madhya Pradesh under NHDP Phase V. • Six laning of Belgaum - Dharwad Section of NH-4 km 515 to km 433 in the State of Karnataka under NHDP Phase V. • Six Laning of NH-4 from Kagal (km 592.240) to Satara (km 725.000) Total Length 133.000 Km in the State of Maharashtra.
3.	Award/signing of Agreement	Prepared documents for Award/signing of Agreement/ financial closure/Appointed Date of following projects

		<ul style="list-style-type: none"> • Six laning of Surat to Dahisar section of NH-8 (from Km.263.00 to Km.502.00) in the State of Gujarat and Maharashtra on BOT (Toll) project on DBFO Pattern under NHDP Phase-V. • Six laning of Krishnagiri- Walahjpet Section of km 0.00 to km 148.30 of NH-46 in the State of Tamilnadu under NHDP Phase V.
4	Procurement of Independent Engineer	<p>Prepared RFP document for selection of Independent Engineer for the following projects and assisted as Committee Member in evaluation of Expression of Interest (EOI) proposals, Technical and Financial Proposals for selection of Independent Engineer for the following projects:</p> <p>Six laning of Surat to Dahisar section of NH-8 (from Km.263.00 to Km.502.00) in the State of Gujarat and Maharashtra on BOT (Toll) project on DBFO Pattern under NHDP Phase-V.</p>
5	Procurement of consultants for preparation of feasibility study/ DPR.	<p>Evaluation of RFP document for consultancy services for preparation of Feasibility for the following projects:</p> <p>Consultancy Services for Preparation of Feasibility for 6-Laning of Selected Stretches of National Highways to be Executed as BOT (Toll) Project on DBFO Pattern under NHDP Phase V (LOT- 3 & 5). Stretches includes:</p> <ul style="list-style-type: none"> • Mah. Border – Belgaum section • Tambaram – Tindivanam section • Dharwad – Haveri section • Srikakulam – Vishakhapatnam section • Barwa Adda – Panagarh section • Tada - Nellore Bypass section • Panagarh – Dankuni section • Icchapuram – Srikakulam section • Vishakapatnam - Ankapalli – Rajahmundry section
6	Monitoring and implementation of various projects	<p>Processing of various issues like appointed date, land acquisition, retail outlet access permission cases, utility shifting cases etc for the following projects:</p> <p>Six laning of Surat to Dahisar section of NH-8 (from Km.263.00 to Km.502.00) in the State of Gujarat and Maharashtra on BOT (Toll) project on DBFO Pattern under NHDP Phase-V.</p>
7	VIP References, Parliament Questions	<p>Provided material/ data for framing suitable replies to parliament questions, VIP references pertaining to</p>

		projects under NHDP Phase V.
8	Land acquisition, Tree cutting, Utility shifting etc.	Processed proposals for Utility shifting, diversion of Forest land, tree cutting etc. for various projects under implementation and proposed under NHDP Phase V.

During the period i.e. November 2009 to November 2010, I dealt different projects of NHAI in the State of Maharashtra & Goa. Broadly, I dealt with various activities and issues related to procurement, award and implementation of civil and consultancy works which includes preparation of RFQ, PPPAC proposals, RFP documents, evaluation of RFQ Applications, Independent Engineer, DPR/Feasibility contracts, Variations, utility shifting cases, Arbitration and DRB cases, Coordination with DPR/ Feasibility Consultants and Financial Consultants for preparation of documents related to the projects to be awarded etc. Besides these, compilation of information for preparation of the replies to RTI Applications, VIP references, Parliament Questions and Assurances and status & progress reports to be submitted to MoRTH etc and other related tasks assigned by the Seniors are also handled and dealt by me.

Some of the tasks handled and completed during the period are briefed as under:

	Items	Achievements
1	PPPAC Proposals	<p>Prepared PPPAC proposals timely for submission to MoRT&H and replies to observations of MoRT&H and Planning Commission & DEA Appraisal Notes for the following projects:</p> <ul style="list-style-type: none"> • Six-laning of Pune - Satara section of NH-4 from km 725.00 to 865.35 (total length of 140.35 km) in the state of Maharashtra to be executed as BOT (Toll) Project on DBFO Pattern Under NHDP Phase-V. • Six Laning of NH-4 from Kagal (km 592.240) to Satara (km 725.000) Total Length 133.000 Km in the State of Maharashtra
2	Procurement for award of civil works	<p>Prepared and assisted as Committee Member in evaluation of RFQ documents for prequalification of bidders for following projects in the State of Maharashtra & Goa.</p> <ul style="list-style-type: none"> • Six-laning of Pune - Satara section of NH-4 from km 725.00 to 865.35 (total length of 140.35 km) in the state of Maharashtra to be executed as BOT (Toll) Project on DBFO Pattern Under NHDP Phase-V. • Four-laning of Nagpur – Wainganga Bridge Section of NH – 6 from km 485.000 to km 544.200 in the State of Maharashtra to be executed as BOT (TOLL) on DBFO pattern under NHDP PHASE-III. • 4/6 laning of Maharashtra/Goa Border to Panaji-

		Goa/Karnataka Border section of NH-17 in the State of Goa under NHDP Phase-III.
3.	Award/signing of Agreement	<p>Prepared documents for Award/signing of Agreement/financial closure/Appointed Date of following projects</p> <ul style="list-style-type: none"> • Six-laning of Pune - Satara section of NH-4 from km 725.00 to 865.35 (total length of 140.35 km) in the state of Maharashtra to be executed as BOT (Toll) Project on DBFO Pattern Under NHDP Phase-V. • 4/6 laning of NH-4A from Goa/Karnataka border km 84+000 to Panaji-Goa km 153+070 in the state of Goa under NHDP Phase III on Build, Operate and Transfer(BOT) Toll basis. • Four-laning of Panvel – Indapur section of NH – 17 from km 0.000 to km 84.000 in the State of Maharashtra to be executed as BOT (TOLL) on DBFO Pattern under NHDP Phase –III.
4	Procurement of Independent Engineer	<p>Prepared RFP document for selection of Independent Engineer for the following projects and assisted as Committee Member in evaluation of Expression of Interest (EOI) proposals, Technical and Financial Proposals for selection of Independent Engineer for the following projects:</p> <ul style="list-style-type: none"> • Independent Engineer services for 6 laning of Pimpalgaon – Nashik - Gonde Section of NH – 3 from Km 380.000 to Km 440.000 in the state of Maharashtra on DBFOT Basis under NHDP-Phase-III. • Independent Engineer services for 4 laning of MP/ Maharashtra Border – Dhule Section of NH – 3 from Km 168. 0 to Km 265.000 in the state of Maharashtra on DBFOT Basis under NHDP-Phase-III. • Independent Engineer services for Four-Laning of Talegaon-Amravati Section of NH-6 from km 100.000 to km 166.725 (Length – km 66.73) in the State of Maharashtra under NHDP Phase III on DBFOT Basis. • Independent Engineer services for Design, Engineering, Construction, Development, Finance, Operation and Maintenance of 4 laning of Pune-Solapur Section of NH-9 from Km 144.400 to Km 249.000 in the State of Maharashtra under NHDP Phase III on Design, Build, Finance, Operate and Transfer (DBFOT) Basis. • Independent Engineer services for 4 laning of Madhya Pradesh/Maharashtra Border Nagpur

		<p>section of NH-7 from Km 652.000 (New Km 653.225) to Km 729.000 including construction of Kamptee-Kanhan and Nagpur Bypass and Maintenance of already 4 laned section from Km 14.585 to Km 36.600 NH-7 (Nagpur-Hyderabad Section) in the State of Maharashtra under NHDP Phase-II on DBFOT Basis.</p> <ul style="list-style-type: none"> • Independent Engineer services for 4/6 laning of NH-4A from Goa/Karnataka border km 84+000 to Panaji-Goa km 153+070 in the state of Goa under NHDP Phase III on Build, Operate and Transfer(BOT) Toll basis.
5	Procurement of consultants for preparation of feasibility study/ DPR.	<p>Preparation & Evaluation of RFP document for consultancy services for preparation of Feasibility/DPR for the following projects under NHDP Phase IV A & B.</p> <ul style="list-style-type: none"> • Hoskote to Dobespet section in the State of Karnataka. • Kozhikode (Kerala Border)-Gundlupet-Coimbatore (Kerala Border) section in the State of Karnataka. • Gulbarga-Bijapur-Homnabad section in the State of Karnataka. • Hospet to Chitradurga section in the State of Karnataka. • Bellary to Gooty section in the State of Karnataka. • Hospet-Hubli-Ankola section in the State of Karnataka. • Sri Ganganagar to Amritsar section in the State of Punjab/Himachal Pradesh. • Bilaspur to Ner Chowk section in the State of Punjab/Himachal Pradesh. • Jullunder-Jind section in the State of Punjab. • Khed to Nasik section in the State of Maharashtra. • Nagpur to MP Border section in the State of Maharashtra. • Vedishi-Osmanabad-Solapur section in the State of Maharashtra. • Dhule-Aurangabad section in the State of Maharashtra. • Solapur-Sangareddy section in the State of Maharashtra. • Padhi-Dahod section in the State of Rajasthan/Gujarat. • Jhalawar to Biaora section in the State of

		<p>Rajasthan/Gujarat.</p> <p>In addition preparation & evaluation of RFP documents for appointment of technical consultants for the following mega projects:</p> <ul style="list-style-type: none"> • Consultancy Services for Preparation of Feasibility for 4-Laning of Guj-Maharashtra Border – Amravati Section of NH-6 in the State of Maharashtra to be Executed as BOT (Toll) Project on DBFOT Pattern under NHDP Phase III. • Consultancy Services for Preparation of Detailed Project Report for Rehabilitation and Upgradation of Kolhapur – Sangli – Sholapur – Latur – Nanded – Wardha – Nagpur section of NH-7 & SH-6 in the state of Maharashtra.
6	Procurement of Independent Engineer during O&M period.	<p>Prepared RFP document for selection of Independent Engineer during O&M period for the following project:</p> <p>Consulting Services as Independent Consultant during Operation & Maintenance of 4-lane Kagal (km 592.240) to Satara (km 725.00) section of NH-4 in the State of Maharashtra constructed on BOT basis.</p>
7	Monitoring and implementation of various projects	<p>Processing of various issues like appointed date, land acquisition, retail outlet access permission cases, utility shifting cases etc for the following projects in the State of Maharashtra:</p> <ol style="list-style-type: none"> 1. Four Laning of Pune – Solapur (Package I & II). 2. Four Laning of Satara- Kagal.
8	VIP References, Parliament Questions	<p>Provided material/ data for framing suitable replies to parliament questions, VIP references pertaining to projects in the State of Maharashtra & Goa.</p>
9	Land acquisition, Tree cutting, Utility shifting etc.	<p>Processed proposals for Utility shifting, diversion of Forest land, tree cutting etc. for various projects under implementation and proposed in the State of Maharashtra & Goa.</p>

During the period i.e. December 2010 to July 2012, I dealt different projects of NHAI in the CM division. Broadly, I dealt with various activities and issues related to procurement, award and implementation of O&M contractors and O&M supervision consultancy works which includes scrutiny of O&M estimate forwarded by PD/RO, preparation of bid documents, evaluation of bids etc. During the period I also dealt with OMT projects (under implementation as well as to be awarded). In addition, extension & variation of the O&M contract, Arbitration and DRB cases, etc pertaining to the stretches under O&M for Delhi-Kolkata & Mumbai Chennai section. Besides these, compilation of information for preparation of the replies to RTI Applications, VIP references, Parliament Questions and

Assurances and status & progress reports to be submitted to MoR,T&H etc and other related tasks assigned by the Seniors are also handled and dealt by me.

Some of the tasks handled and completed during the period are briefed as under:

	Items	Achievements
1	SFC Proposals	<p>Prepared SFC proposals timely for submission to MoRT&H for the following projects:</p> <ul style="list-style-type: none"> • Operation & Maintenance of Kanpur- Lucknow section (km. 11.005 to km. 75.50) stretch of NH-25, Lucknow Bypass (km. 0.00 to km. 22.85) stretch of NH-56 and Lucknow- Ayodhya section (km. 8.00 to km. 137) stretch of NH-28 [Total length 222 km.] on OMT Basis. • Operation & Maintenance of Ayodhya-Gorakhpur (km. 135 to km. 251.7 of NH-28) [Total length 117 km.] on OMT Basis. • Operation & Maintenance of Jhansi- Orai km. 91 to km. 220 of NH- 25 [Total length 123 km.] on OMT Basis. • Operation & Maintenance of Hyderabad-Bangalore section km. 211 to km. 463 of NH-7 [Total length 251 km.] on OMT Basis.
2	Procurement for award of O&M contracts and OMT Concessions/ signing of agreements	<p>Scrutiny of estimates forwarded by PD/RO, preparation of bid documents and assisted as Committee Member in evaluation of bid documents for award of following O&M .</p> <ul style="list-style-type: none"> • Short Term Improvement & Routine Maintenance of Makhanpur-Sikandra Section of NH-2 from km. 250.533 to km. 393.000 in the State of Uttar Pradesh • Day to day maintenance of horticulture work from Sikandara-Bhaunti Section from km. 396.177 to 457.377 of NH-2 for one year. • Short Term Improvement & Routine Maintenance of Dehri-on-Sone to Aurangabad Section of NH-2 from km. 140.000 to km. 180.000 in the State of Bihar. • Short Term Improvement & Routine Maintenance of Kanpur- Fatehpur section from Km 470.00 to Km 38.000 of NH-2 in the State of Uttar Pradesh • Short Term Improvement and Routine Maintenance of Aurangabad- Gorhar Section from km. 180 to km. 320 of NH-2 in the State of Bihar and Jharkhand. • Short Term Improvement and Routine

		<p>Maintenance of Siliguri-Islampur-Dalkola-Gayakota-Purnia Section of NH-31 in Km. 410.700 to Km. 551.000 (excluding km.420.300 to km. 446.760, 472.840 to km.474.515 and km.498.780 to km.526.000) in the state of Bihar & West Bengal.</p> <ul style="list-style-type: none"> • Short Term Improvement and Routine Maintenance of Varanasi-Mohania-Sasaram-Dehri-On-Sone Section From Km. 317.000 To Km. 140 NH-2 in the State of UP & Bihar. • Short Term Improvement and Routine Maintenance of Handia to Rajatalab section from km 245.000 to km 317.389 on NH-2 in the state of UP. • Short Term Improvement & Routine Maintenance of Rampur-Thariwan (Fatehpur) to Kokhraj Section (km. 100 to km 158) of NH-2 • Short Term Improvement & Routine Maintenance of Allahabad Bypass Road Package ABP-2 (including Ganga Bridge Package ABP-1) & ABP-3 from km. 158.000 to km. 242.708 in the State of U.P. • Short Term Improvement & Routine Maintenance of Lucknow-Kanpur Section from km. 11.380 to km. 59.190 of NH-25 in the State of Uttar Pradesh. • Short term improvement & routine maintenance of Agra-Shikohabad section from km 199.660 to km 250.500 of NH-2 in UP. • Short Term Improvement & Routine Maintenance of Gorhar – Barwa Adda Section from km. 320.000 to km. 398.750 of NH-2 in the State of Jharkhand • Short term improvement & routine maintenance of Barwa Adda – Barakar section of NH-2 from km 398.750 to km 441.563 in the State of Jharkhand. • Supervision Consultancy Services for supervision of Short Term Improvement and Routine Maintenance Contract of Sections on National Highways. • Operation & Maintenance of Kota – Baran section km 388.263 to km 492.322 of NH-76 in the State of Rajasthan on OMT basis. <p>As directed by Hon’ble Minister regarding implementation of e-tendering in NHAI, one of the O&M project was also considered to be awarded through e-tendering along with some BOT projects. I was actively involved in preparation of bid document for O&M works on e-tendering mode.</p>
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		Subsequently, most of the above O&M contracts were awarded on E-tendering mode only.
3	Procurement of O&M supervision consultants.	Supervision Consultancy were awarded on the above mentioned stretches under O&M on DK & MC section of GQ.
4	OMT Projects	<p>Monitored following OMT projects:</p> <ul style="list-style-type: none"> • Operation and Maintenance of Palanpur - Radhanpur Section (Km340.00 to Km 458.00) of NH-14 and Radhanpur- Samakhiyali Section (Km138.80 to Km 281.30) of NH-15 on OMT basis (OMT Package 1). • Operation, Maintenance and Transfer of Porbandar – Bhiladi- Jetpur section km 1.960 to km 117.600 of NH-8B on OMT basis (Package-2) • Operation & Maintenance of Kota-Chittorgarh section (Km 381.00 to Km 213) Stretch of NH-76 to be executed as Package 3 on Operation, Maintenance and Transfer (OMT) basis. • Operation & Maintenance of Swaroopganj-Bakaria Section (Km 264 to Km 248.7 of NH-14 & Km 0 to Km 29 of NH-76) and Bakaria-Gogunda-Section (Km 29 to Km 73) of NH-76 and Gogunda – Udaipur section (Km 73 to Km 104 of NH-76) on OMT basis. • Operation and Maintenance of Baran - Shivpuri section Km 492.322 to Km 613.087 of NH-76 and Shivpuri-Jhansi section (Km 15.000 to Km 90.300) of NH-25 on OMT basis (Package-5).
5	Monitoring and implementation of various projects	Processing of various issues like extension, variation etc for the above mentioned O&M stretches.
6	VIP References, Parliament Questions	Provided material/ data for framing suitable replies to parliament questions, VIP references pertaining to projects under O&M.

**List of some important works undertaken at National Highways Authority of India
(NHAI), New Delhi
(w.e.f. 09.08.2016 to 08.01.2023).**

Undersigned joined as DGM (T) on deputation basis on 09.08.2016 and was posted in J&K and HP Division. Thereafter, in the month of November 2016, the charge of Haryana Division was also assigned to the undersigned in addition to the existing duties. Broadly, I dealt/dealing with various activities and issues related to procurement, award and implementation of civil and consultancy works which includes SFC/EFC proposals, RFP documents, Independent Engineer/Authority Engineer, DPR/Feasibility contracts, Variations, utility shifting cases, Extension of Time, Change of Scope, Arbitration and DRB cases, Coordination with DPR/ Feasibility Consultants and Financial Consultants for preparation of documents related to the projects to be awarded etc. Besides these, compilation of information for preparation of the replies to RTI Applications, VIP references, Parliament Questions and Assurances and status & progress reports to be submitted to MoRTH etc and other related tasks assigned by the Seniors are also handled and dealt by me. The brief details of the projects dealt in the States are as follow:

Jammu & Kashmir

- Construction of Stand alone Ring Road / Bypass around Jammu City in the state of J&K (length -58.2Km).
- Four laning of Jammu – Udhampur section from km. 15.00 (Jammu bypass) to km. 67.00 (Udhampur) on BOT (Annuity) basis on DBFOT pattern in the state of Jammu & Kashmir (Package no. NHDP-PHASE-II/BOT/VI/J&K).
- Four laning of Udhampur Ramban Section of NH-1A from Km 67.000 to Km 89.000 and Km 130.000 to Km 151.000 on EPC mode in the State of J&K.
- Four Laning of Chenani to Nashri (New Alignment) of NH-1A including 9 Km long tunnel (2 lane) with parallel escape tunnel on BOT (Annuity) basis in the State of J&K.
- Four Laning of Ramban to Banihal Section of NH-44, from km 151.00 to km 187.00 on EPC mode in the state of Jammu and Kashmir under NHDP Phase II through an EPC Contract.
- Rehabilitation, Strengthening and Four laning of Quazigund to Banihal section of NH-1A (new NH-44) from km 189.35 to km 204.70 including 2 Tunnels (2 Lane) of 0.69 km and 8.45 km length on DBFOT (Annuity) Basis in the State of Jammu and Kashmir.
- Four laning of Srinagar to Banihal section of NH-1A, from km 187.00 to km 189.350 (Banihal Bypass) and km. 220.700 to km. 286.110 in the State of Jammu and Kashmir (Package No. NHDP-Phase-II/BOT/I/J&K).
- Construction of Stand alone Ring Road / Bypass around Srinagar City in the State of J&K
- Construction of Four Laning of part of Ramban to Banihal Section of NH-1A (Now NH-44), from Ch.154+210 to Ch.158+675 (North Bound) and from Ch.155+940 to Ch.160+282 (South Bound) including construction of Twin Tube Tunnel (Package-I) in the UT of Jammu & Kashmir on EPC Mode
- Construction of Four Laning of part of Ramban Banihal Section of NH-1A (Now NH 44), from Ch. 158+675 to Ch. 164+660 (North Bound) and Ch. 161+544 to Ch. 164+100 (North Bound) including Construction of twin Tube Tunnel (Package II) in the UT of J&K on EPC Mode

- Construction of Four Laning of Ramban to Banihal Section of NH-IA (Now NH-44), from Ch.165+092 to Ch. 171+855 (North Bound) and from Ch. 166+895 to Ch. 173+638 (South Bound) (Makarkot- Ramsu-Nachlana - upto end of 3km Viaduct), excluding section from Ch.166+610 to Ch. 167+150 (North Bound) Ch 168+425 to Ch 168+935 (South Bound) and Section from Ch.167+960 to Ch. 168+168(North Bound), Ch 169+745 to Ch 169+951 (South Bound) (Package-III) in the UT of Jammu & Kashmir on EPC Mode
- Balance Work of Four Laning from Ramban Km 151.00 to Banihal Km 187.00 of NH-1A (Now NH-44) with value addition at critical location on engineering Procurement and Construction mode (EPC mode) in the Union Territory of Jammu and Kashmir under NHDP Phase II
- Construction of Tunnels/Viaducts at identified sliding/slip zones in Design Ch. 130+550 to Ch. 130+750; Ch. 131+170 to Ch. 131+763, Ch. 132+560 to Ch. 133+168, Ch. 133+590 to Ch. 133+743 and Ch. 147+877 to 148+715 in Udhampur-Ramban section of NH-44 in the UT of J&K under residual NHDP on EPC Mode
- Construction of Emergency Landing Facility from Km 246+200 to Km 249+700 (Design Length 3.5 Km) on Srinagar-Banihal section of NH-1A, in the UT of J&K on EPC
- Four Laning of Banihal Bypass from Km 187+000 to Km 189+350 section of NH-1A, in the UT of Jammu & Kashmir on EPC

Himachal Pradesh

- Balance Work for Four laning of Kiratpur to Nerchowk section of NH-21 (from Km 0+000 to Km 12+750 & Km 158+500 to Km 182+215 excluding Sunder Nagar Bypass) (Pkg-1) in the State of Punjab & Himachal Pradesh
- Balance Work for Four laning of Kiratpur to Nerchowk section of NH-21 (from Km 12+750 to Km 26+500, Km 126+500 to Km 158+500 including ACC link road from Km 0+00 to Km 2+003) Greenfield Alignment (excluding Sundernagar Bypass) (Package-2) in the State of Himachal Pradesh on Hybrid Annuity Mode (HAM).
- Four laning of Nerchowk – Pandoh including Pandoh bypass section of NH-21 (Package-I km 190.000 to km 221.305) under NHDP-IVB on EPC Mode in the state of Himachal Pradesh.
- Four laning of End of Pandoh bypass to Takoli Section of NH-21 (Km 221.305 to Km 242.000) (Design Length-18.908 Km) on Hybrid Annuity Mode in the state of Himachal Pradesh under NHDP-IVB-Package-II.
- Four laning of Takoli – Kullu Section of NH 21 (Km 242+000 to Km 272+0000) under NHDP-IVB on EPC Mode in the state of Himachal Pradesh.
- Upgradation of Kullu –Manali section of NH-21 (now NH-3) from km 272.00 to km 309.345(designed chainage) on EPC Mode in the State of Himachal Pradesh under NHDP Phase – IVB
- Four laning of Parwanoo-Solan Section of NH-22 (Now NH-5) from km 67.000 to 106.139, under NHDP Phase III on EPC basis in the State of Himachal Pradesh
- Four laning of Solan-Kaithlight Section of NH-22 (Now NH-5) from Km. 106.139 to Km.129.05 under NHDP Phase-III on EPC Mode in the State of Himachal Pradesh.

- Two Laning with Formation for Four Lane of Proposed Shimla Bypass (Kaithlighat to Shimla Section) of NH – 22 from km 129.050 to km 156.507 in the state of Himachal Pradesh under NHDP Phase – III on Hybrid Annuity Mode.
- 4 lane of HP/Punjab Border to Mandi Section (Km 11.00 to Km 208.00) of NH-20 in the State of Himachal Pradesh through BOT/Hybrid Annuity/EPC Mode
- 4 lane of Shimla to Mataur Section (Km 0.000 to Km 223.700) for NH-88 in the state of Himachal Pradesh through BOT/Hybrid Annuity/EPC mode
- Consultancy Services for preparation of DPR of Four laning of proposed Shimla Bypass from Kaithlighat to Dhalli Section on NH-22 (Chainage from km 129.050 to km 156.507 & Total Length=27.457 km) in the State of Himachal Pradesh on EPC Mode
- Construction of 4 laning of NH-5 from Kaithlighat to Shakral Village (Shimla Bypass Package I: from Km 128.835 to Km 146.300 for Design Length =17.465km) in Himachal Pradesh on Hybrid Annuity Mode
- Construction of 4 laning of NH-5 from Shakral Village to Dhalli Section (Shimla Bypass Package II: from Km 146.300 to Km 156.560 and Shimla connectivity from Km 0.000 to Km 0.725 for Design Length =10.985 km) in Himachal Pradesh on Hybrid Annuity Mode
- Rehabilitation and Upgradation to Four Lane Configuration & Strengthening of Punjab/HP Border to Mo from Km 11.000 to Km 42.000 (Design Length 28.700 KM) of NH-20 (New NH-154) of Pathankot-Mandi Section in the State of Himachal Pradesh on Hybrid Annuity Mode (HAM) (Package-IA)
- Rehabilitation and Upgradation to Four Lane configuration & Strengthening of Mo to Sihuni from Km 42.000 to Km 51.000 (Design Length 8.330 KM) of NH-20 (New NH-154) of Pathankot-Mandi Section in the State of Himachal Pradesh on Hybrid Annuity Mode (HAM) (Package-IB)
- Rehabilitation and Upgrading of Existing 2 lane to 4 lane from Bhangbar (Near Ranital) to Kangra Bypass Section of NH-88 (New NH-303,503) up to Intersection with NH-154 (Design Chainage - Km 175+270 to Km 193+400, Design Length-18.130 Km) in the State of Himachal Pradesh under NH (O)on HAM Mode (Package-VB)

Haryana

- 4-laning of UP/HR Border-Yamunanagar-Saha-Barwala-Panchkula Section of NH-73 from Km. 70.830 to Km. 115.400 in the State of Haryana on EPC mode (Package-I).
- Four laning of UP/Haryana border-Yamunanagar-Saha-Barwala-Panchkula Section of NH-73 from km 115.400 to km 157.192 in the State of Haryana on Engineering Procurement and Construction (EPC) basis (Package-II).
- 4/6 laning of UP/ Border-Yamunanagar-Saha-Barwala-Panchkula Section of NH-73 from Km. 160.357 to Km. 179.248 (Design Km.157.192 Km. to 176.400) (Package-III).
- Four laning of Ambala-Kaithal section of NH-65 from km 0.00 (Ambala) to km 50.860 (Pehowa) in the State of Haryana under NHDP Phase-III on EPC basis (Package-1).
- Four laning of Ambala - Kaithal Section of NH-65 from Km. 50.860 (Pehowa) to km. 95.360 (Kaithal) with paved shoulder (length 44.500 Km.) in the State of Haryana under NHDP Phase-III on EPC Basis (Package-2).

- 4-laning of Hisar to Dabwali section of NH-10 from Km. 170.000 to Km 227.000 in the State of Haryana on EPC Mode (Package-I).
- Four laning of Hisar to Dabwali Section of NH-10 from Km.227.00 to 314.660 with paved shoulders in the State of Haryana on EPC Mode (Package-II).
- Six laning of Panipat – Jalandhar section of NH-1 (Km. 96.00 to Km. 387.100) in the state of Haryana and Punjab on DBFOT Pattern under NHDP Phase V.
- 8-Laning of Section of NH – 1 (New NH-44) from Mukarba Chowk at km 15.500 to Panipat km 86.000 on BOT (Toll) Basis in the State of Haryana.
- Widening of existing 4 lane portion from Km. 86.000 to Km. 96.000 covering Panipat City on NH-1 in Haryana to 6 lanes elevated structure on BOT Basis.
- 4-laning of Rohtak-Panipat Section of NH-71A from km. 0.000 (Km. 63.300 of NH-10) to km. 80.858 (Km. 83.500 of NH-1) in the State of Haryana on BOT basis under NHDP Phase-III.
- Four laning of Rohtak to Hisar section of NH-10 (from km 87+000 to km 170+000) including connecting link from Km 87+000 (NH-10) to Km 348+000 (NH-71) to be executed as BOT (Toll) Project on DBFOT Pattern under NHDP Phase III in the state of Haryana.
- Four laning of Kaithal-Rajasthan Border Section of NH-152/65 from Km. 33.250 (Design Km. 0.500) to Km. 241.580 (Design Km. 165.759) in the State of Haryana under NHDP Phase IV through Public Private Partnership (PPP) on Design, Build, Finance, Operate & Transfer (DBFOT) Toll basis.
- 4 Laning of Rohtak -Bawal section NH 71 from km 363.300 (Design km 363.300) to km 450.800 (Design km 445.853) under NHDP III in the state of Haryana on Design, Build, Finance, Operate and Transfer (DBFOT) basis.
- 4/6 laning of Zirakpur-Parwanoo section from 4-laning of Zirakpur-Parwanoo Section from Km. 39.960 to Km. 67.650 of NH-22 including Pinjore-Kalka Parwanoo bypass in the States of Punjab, Haryana & Himachal Pradesh under NHDP-Phase-IIIA on BOT basis.
- 4-laning of Punjab/Haryana Border-Jind section of NH-71 from km 238.695 to km 307.00 on Engineering Procurement and Construction (EPC) Mode.
- 4/6 laning of Delhi/Haryana border to Rohtak section of NH-10 from Km 29.700 to Km 87.000 including construction of Bahadurgarh and Rohtak bypasses in the State of Haryana under NHDP Phase IIIA on BOT Basis
- 4-laning of UP/Haryana Border to Rohna section from Km. 0.00 to Km. 44.80 (Length 44.80 km) of NH-334B in the State of Haryana on HAM under NH (O) (Pkg-1)
- Redesigning, Rehabilitation and upgradation to Four Lane configuration & Strengthening of Rohna/Hassangarh-Jhajjar section from Km.44.800 to km.80.250 (Design Chainage) (Length 35.450 Km) of NH-334 B in the State of Haryana on HAM Mode (Package-2)
- 4 laning of Jind - Gohana (Pkg-1) Section (Greenfield Alignment) from km 0.000 to km 40.601 (Length 40.601 km) of NH-352A in the State of Haryana under Bharatmala Pariyojna under NH(O) on Hybrid Annuity Mode
- 4-laning of Gohana–Sonepat (Pkg-2) Section from km 40.601 to km 78.837(length 38.236 km) of NH-352A in the State of Haryana under Bharatmala Pariyojana under NH(O) to be implemented on Hybrid Annuity Mode (HAM)

- Rehabilitation and up gradation to 4-Lane with Paved Shoulder for Ambala to Saha Section from km 0.000 to km 14.840 of NH-444A in the State of Haryana (Package-1) under Bharatmala Pariyojna on EPC Basis
- Rehabilitation and upgradation for Four Lanning of Saha to Sahabad Section from Km. 14.840 to Km 31.760 of NH-444A (Total Length- 16.920 Km) under Bharatmala Pariyojna in the State of Haryana on EPC Mode-
- Six Laning of MandiDabwali (Punjab/Haryana Border)–Chautala Road Section from Proposed MandiDabwali Bypass (Design Ch. 27.400) to Chautala(Design Ch. 62.200) of NH-54 under Bharatmala Pariyojna (Design Length - 34.800 Km) in the State of Haryana under Hybrid Annuity Mode
- Construction of Elevated Structure including approaches from Km. 352+675 to Km. 354+430 and VUP at Km. 355+400 including approaches on NH-44 (Old NH-1) at Phagwara city in the state of Punjab on EPC mode as Standalone project
- Four Laning of Rohtak-Jind Section from Km 307.000 to Km 347.800 of NH-71 and connecting link from Km 347.800 of NH-71 to Km 9+400 of NH-71A (Balance work) on EPC Mode under Bharatmala (left out in NHDP) in the State of Haryana
- Rehabilitation and upgradation to 2-Lane with Paved shoulder for Bhiwani-Mundal-Jind Road from Design Chainage Km 6+875 to km 68+857 (Length 61.982 km) of NH-709 A in the State of Haryana under NH (O) (Package-I)
- Rehabilitation and up-gradation to 2-lane with paved shoulder for Jind-Karnal section from existing km 68+660 (Design km 68+857)i.e junction with Narwana Road (NH-352) at Subhash Chowk ends at km. 153+700 (Design 154+219) at ITI Chowk which is the intersection with NH-1 of NH 709 A in the State of Haryana under NH (O) (Package-II)
- Rehabilitation and up gradation of existing 2 lane with paved shoulder of Jind to Gohana section from design chainage km.0.00 to km.50.505 of NH-352-A in the State of Haryana on EPC
- Rehabilitation and upgradation of existing 2 lane with paved shoulder of Jhajjar-Loharu Section from Km. 130.770 to Km. 228.630 (Design Chanage Km. 0.000 to Km. 97.864) of NH-334-B in the State of Haryana

Got Certificate of Appreciation from Hon'ble Minister Shri Nitin Gadkari dated 02.04.2017 regarding valuable contribution towards successful completion of Chenani Nashri Tunnel project.