

Proposed Position : Team Leader cum Senior Highway Engineer
Name of Firm : LEA Associates South Asia Pvt. Ltd.
Name of Staff : Durvesh Kumar Tyagi
Profession : Civil Engineering
Date of Birth : 26th July 1967
Years with Firm/Entity : 2 years 7 months **Nationality** : Indian


Membership of Professional Societies:

- Member, Indian Roads Congress (equivalent to chartered engineer)
- Member, Institution of Engineers, India

Detailed Task Assigned:

- As mentioned in **APPENDIX B- 4** of the Proposal

Summary of Qualifications & Experience vis-à-vis the requirements as per ToR

Requirements as per ToR (Enclosure B)	Possessed by the Staff Member	Break-up of experience	
		Brief Description of the project	Man- months provided
<ul style="list-style-type: none"> • Should be a Graduate in Civil Engineering 	<ul style="list-style-type: none"> • Bachelor of Engineering (Civil) 		
<ul style="list-style-type: none"> • Preferably with Postgraduate qualification in Transportation/ Highway/ Pavement/Structures/Geo technical/Soil Mechanics/Foundation Engineering/Construction Management. 	<ul style="list-style-type: none"> • NIL 		
<ul style="list-style-type: none"> • Should have a minimum 20 years experience 	<ul style="list-style-type: none"> • Over all 20 years 1 month experience 		
<ul style="list-style-type: none"> • Including least 5 years of experience in similar capacity 	<ul style="list-style-type: none"> • 16 years and 3 months experience in similar capacity 		
<ul style="list-style-type: none"> • And involved for at least 5 years for Highway Development Projects preferably PPP Projects 	<ul style="list-style-type: none"> • Over all 20 years experience in highway development projects 		
	<ul style="list-style-type: none"> • 8 years experience of BOT / PPP projects • 4 BOT/PPP projects 	<ul style="list-style-type: none"> • Senior Resident Engineer, Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu 	12

Requirements as per ToR (Enclosure B)	Possessed by the Staff Member	Break-up of experience	
		Brief Description of the project	Man- months provided
		<ul style="list-style-type: none"> Senior Resident Engineer, Improvement to Nagpur- Mumbai Road Project (NSGN, MSRDC Road Project) to National Highway Standard Road Package VII Section - Improvement to Karanaja – Malegaon Road including Tarala – Shelu Bazar & Malegaon By pass, 4 Lane, Project Cost: INR 312 crores (Length 78 km), includes 17 no. of bridges, one major bridge in addition to box / pipe culvert along the road, (BOT/PPP project), Bituminous Road, Client/ Concessionaire: MSRDC 	19
		<ul style="list-style-type: none"> Senior Resident Engineer, Construction Supervision of Delhi – Gurgaon Section of NH-8 into Access Controlled Six / Eight lane Highway (BOT Project), Bituminous Road, FIDIC conditions, Haryana, India, Length: 27 km, Project Cost: INR 450 crores, Client: M/s Jaypee – DSC (JV) 	22
		<ul style="list-style-type: none"> Project Manager, Construction Supervision of 6 laning of Mumbai – Pune Expressway under MSRDC Maharashtra, (BOT PPP project) Length: 52 km, India, Project Cost: INR: 250 crores, Rigid pavement/ Flexible pavement, Client/ Concessionaire: MSRDC 	43
<ul style="list-style-type: none"> Should have handled as Team Leader or similar capacity at least two Project Preparation and Construction supervision work of major highway Project of four laning/ six- laning/ expressway costing more than Rs. 2000 million or of at least 50 km length. 	<ul style="list-style-type: none"> 1 DPR project 6 Lane 	<ul style="list-style-type: none"> Senior Resident Engineer, Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu 	12
	<ul style="list-style-type: none"> 5 Construction Supervision Projects of 4 laning 	<ul style="list-style-type: none"> Senior Resident Engineer, 4 Laning and Strengthening of the Existing Two Lane Section from Km. 470+000 to Km. 380+000 on National Highway-2 (World Bank Funded GTRIP Project, Construction Package II-B) Kanpur (U.P.), Bituminous Road, FIDIC based, Uttar Pradesh, India, Length: 90 km, Project Cost: INR 580 crores, Client: National Highways Authority of India 	9

Requirements as per ToR (Enclosure B)	Possessed by the Staff Member	Break-up of experience	
		Brief Description of the project	Man- months provided
		<ul style="list-style-type: none"> Resident Engineer, West Bengal Corridor Development Project (ADB Funded, Loan No. 1870-IDA), Contract Package-D & F, from (km 0+000) – Hilli (km 97+428) with a link SH-10 from Patiram to Balurghat road, Bituminous Road, FIDIC Based, West Bengal, India, Client: Public Works Department, West Bengal, 2 lane to 4 lane, Length: 97.428, Project Cost: INR 200 crores 	10
		<ul style="list-style-type: none"> Senior Resident Engineer, Improvement to Nagpur- Mumbai Road Project (NSGN, MSRDC Road Project) to National Highway Standard Road Package VII Section - Improvement to Karanaja – Malegaon Road including Tarala – Shelu Bazar & Malegaon By pass, 4 Lane, Project Cost: INR 312 crores (Length 78 km), includes 17 no. of bridges, one major bridge in addition to box / pipe culvert along the road, (BOT/PPP project), Bituminous Road, Client/ Concessionaire: MSRDC 	19
		<ul style="list-style-type: none"> Resident Engineer, Construction supervision of Surat – Manor Tollway Project, on NH-8 in Gujarat (km 263.4 to km 439.0), Gujarat, India, Bituminous Road, Gujarat, India, FIDIC Based Civil Contracts, Length: 175 km, Lane: 4, Project Cost: INR 350 crores, Client: NHAI 	27
		<ul style="list-style-type: none"> Project Manager, Improvement of SH-11 from Sambalpur to Rourkela Orissa, India, Funded by: ADB, Length: 160Km, FIDIC based, Bituminous Road, 4 Lane, Project Cost: INR 210 crores, Client: Public Works Department, Orissa 	26
	<ul style="list-style-type: none"> 3 Construction Supervision projects of 6 laning 	<ul style="list-style-type: none"> Senior Resident Engineer, Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu 	12

Requirements as per ToR (Enclosure B)	Possessed by the Staff Member	Break-up of experience	
		Brief Description of the project	Man- months provided
		<ul style="list-style-type: none"> Senior Resident Engineer, Construction Supervision of Delhi – Gurgaon Section of NH-8 into Access Controlled Six / Eight lane Highway (BOT Project), Bituminous Road, FIDIC conditions, Haryana, India, Length: 27 km, Project Cost: INR 450 crores, Client: M/s Jaypee – DSC (JV) 	22
		<ul style="list-style-type: none"> Project Manager, Construction Supervision of 6 laning of Mumbai – Pune Expressway under MSRDC Maharashtra, (BOT PPP project) Length: 52 km, Project Cost: INR: 250 crores, Rigid pavement/Flexible pavement, Client/ Concessionaire: MSRDC 	43
<ul style="list-style-type: none"> He should have experience of operation and maintenance of major highway links. 	<ul style="list-style-type: none"> Yes. 	<ul style="list-style-type: none"> Senior Resident Engineer, Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu 	12
<ul style="list-style-type: none"> Should have a proven record of supervising, organising and managing of Project preparation and construction of highway projects of large magnitudes as defined below, financed by international lending agencies and others 	<ul style="list-style-type: none"> Yes. 	<ul style="list-style-type: none"> Senior Resident Engineer, 4 Laning and Strengthening of the Existing Two Lane Section from Km. 470+000 to Km. 380+000 on National Highway-2 (World Bank Funded GTRIP Project, Construction Package II-B) Kanpur (U.P.), Bituminous Road, FIDIC based, Uttar Pradesh, India, Length: 90 km, Project Cost: INR 580 crores, Client: National Highways Authority of India 	9
		<ul style="list-style-type: none"> Chief Resident Engineer cum Team Leader, Construction Supervision of Adigrat-Adwa-Shire Road Upgrading Project, Contract 1: Shire – Adi Abun, FIDIC Contract, Bituminous Road, Ethiopia, 2 Lane, Length: 91.8 kms, Flexible pavement, Project Cost: INR 210 crores, Funded by: World Bank, Client: Ethiopian Road Authority 	18
<ul style="list-style-type: none"> Knowledge of Project management shall be an added advantage. 	<ul style="list-style-type: none"> Yes. MS Project, Primavera 		

Key Qualifications:

Mr. **Durvesh Kumar Tyagi** holds **Graduate degree** with overall **20 years of experience in Civil Engineering** and also in **planning and execution of civil engineering works covering roads and highways, bridges, CD works** etc. His spectrum of expertise includes **construction supervision, maintenance supervision, detailed design, design review, contract management, project management, Quality Assurance of construction of roads and flexible pavement overlay design**, progress monitoring, quantity estimation, tender document preparation, technical specification preparation, preparation of interim payment certificates, **preparation of variation statement**, certification of completed works, preparation of reports including Project Completion Reports. Mr. Titus has vast experience in the field of Contract Management, Developing and Maintaining Project Information System, Budgeting, settlement of claims, arbitration, preparation of variation items, approving claims for extra items, EOT applications etc

He has also experience in execution of **highway and bridge projects** including quality control of flexible and rigid pavements and other concrete structures involving large quantity of earthwork/concrete. He is well versed **with ICB and administered Highway Projects under FIDIC conditions** of contract and IS, IRC and MORTH specifications, contract procedures, modern construction methodologies, machinery and equipment. He has handled a number of major road/ highway construction supervision and project preparation projects involving 4/6 laning costing more than INR 2000 Million and length more than 50 km under ICB norms and FIDIC Conditions of Contract in the capacity of Team Leader/ Project Manager. He also has knowledge of project management techniques such as CPM/PERT, time distance chart etc. and knowledge of MS Project, Primavera software as well.

Some of his relevant projects are:

- Senior Resident Engineer**, Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu *Jan 2010-Ongoing
Haryana & Rajasthan*
- Senior Resident Engineer**, 4 Laning and Strengthening of the Existing Two Lane Section from Km. 470+000 to Km. 380+000 on National Highway-2 (World Bank Funded GTRIP Project, Construction Package II-B) Kanpur (U.P.), Bituminous Road, FIDIC based, Uttar Pradesh, India, Length: 90 km, Project Cost: INR 580 crores, Client: National Highways Authority of India *September 2007 to
June 2008
Uttar Pradesh*
- Resident Engineer**, West Bengal Corridor Development Project (ADB Funded, Loan No. 1870-IDA), Contract Package-D & F, from (km 0+000) – Hilli (km 97+428) with a link SH-10 from Patiram to Balurghat road, Bituminous Road, FIDIC Based, West Bengal, India, Client: Public Works Department, West Bengal, 2 lane to 4 lane, Length: 97.428, Project Cost: INR 200 crores *Oct. 2006 to August 07
West Bengal*
- Senior Resident Engineer**, Improvement to Nagpur- Mumbai Road Project (NSGN, MSRDC Road Project) to National Highway Standard Road Package VII Section - Improvement to Karanaja – Malegaon Road including Tarala – Shelu Bazar & Malegaon By pass, 4 Lane, Project Cost: INR 312 crores (Length 78 km), includes 17 no. of bridges, one major bridge in addition to box / pipe culvert along the road, (BOT/PPP project), Bituminous Road, Client/Concessionaire: MSRDC *Feb. 2005- To Sept
2006
Maharashtra*
- Senior Resident Engineer**, Construction Supervision of Delhi – Gurgaon Section of NH-8 into Access Controlled Six / Eight lane Highway (BOT Project), Bituminous Road, FIDIC conditions, Haryana, India, Length: 27 km, Project Cost: INR 450 crores, Client: M/s Jaypee – DSC (JV) *March 2003 to Jan 2005
Haryana*

- **Resident Engineer**, Construction supervision of Surat – Manor Tollway Project, on NH-8 in Gujarat (km 263.4 to km 439.0), Gujarat, India, Bituminous Road, Gujarat, India, FIDIC Based Civil Contracts, Length: 175 km, Lane: 4, Project Cost: INR 350 crores, Client: NHAI Nov 2000 to Feb 2003
Gujarat
- **Project Manager**, Construction Supervision of 6 laning of Mumbai – Pune Expressway under MSRDC, Maharashtra, (BOT PPP project), Length: 52 km, Project Cost: INR: 250 crores, Rigid pavement/Flexible pavement, Client/Concessionaire: MSRDC Mar. 1997 to Oct.2000
Maharashtra
- **Project Manager**, Improvement of SH-11 from Sambalpur to Rourkela Orissa, India, Funded by: ADB, Length: 160Km, FIDIC based, Bituminous Road, 4 Lane, Project Cost: INR 210 crores, Client: Public Works Department, Orissa Dec.1994 – Feb.1997
Orissa

Education

- Bachelor of Engineering (Civil), Madan Mohan Malaviya Engineering College, Gorakhpur, Gorakhpur University in 1991

Employment Record:

- **July 2008-Till date** **LEA Associates South Asia Pvt. Ltd., New Delhi**
 - Team Leader cum Sr. Highway Engineer
- **Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores, Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu, Jan 2010-Ongoing**

As **Resident Engineer**, Responsible for **Design Review and Construction Supervision**, administer the Contract Execution, Contract Administration/ Management as per FIDIC Conditions, checking setting out of the project; order, supervise / perform tests on materials / work and approve / disapprove the contractor's plant and equipment monitoring the progress of works for the implementation of project through computer aided project management technique and Management Information System (MIS); review/approve the working drawings prepared by the Contractor, regular supervision of works in accordance with the specifications, issuance of Working Drawings, environmental management plan and other stipulations of the construction contract; ensure the control of the construction process; monitor Contractor's operations including adherence to safety and environmental requirements; maintenance of Project Diary; reviewing Contractors' work programmes and performance of Contractors' plant, equipment and machinery; strictly monitor the progress of work for timely completion of the project; issue site instructions; assist the TL with the preparation of Variation Orders; developing Quality Assurance Manual, Quality Control of Works; check contractor's accounts, invoices and other statements; preparing reports; Final Inspection of Works; training to client staff, Verification of Contractors' Statements of Completion; Compilation and verification of "As-Built Drawings", etc. He was overall responsible for all Technical and Administrative aspects of the project.

- **Construction Supervision of Adigrat-Adwa-Shire Road Upgrading Project, Contract 1: Shire – Adi Abun, FIDIC Contract, Bituminous Road, Ethiopia, 2 Lane, Length: 91.8 kms, Flexible pavement, Project Cost: INR 210 crores, Funded by: World Bank, Client: Ethiopian Road Authority, July 2008-Dec 2009**

As **Chief Resident Engineer cum Team Leader**, responsibilities included assign tasks / responsibilities to team members, construction supervision, contract management, review sufficiency of design drawings, documents and specifications, review contractor mobilization, installations and Work Program,

administering the contract as per FIDIC conditions, regular inspection and supervision, review and certification of contractor's payment certificates, advice on contract changes / variations, analysis and recommendations on contractor's claims, review traffic safety and implementation of approved Environment Management Plan, approve/monitor of project safety compliance, on-job training to selected staff of the client, organizing review meetings and site visits, permanent record of documentation and correspondences, maintain site dairies etc. Guiding the contractor in preparation of resource based Master Works plan, reviewing and approving the same. Checking the preconstruction activities and contractors' preparedness to execute the planned works. Monitoring the progress with respect to the planning and checking the quality of Work. Assessing the problems and bottlenecks and advising contractor on necessary controls for improving progress and quality of Works. Being a Team Head apart from his technical responsibilities he is equally responsible for all administration aspects also.

- ❑ **September 2007– June 2008** **BECA International Consultants Ltd. in association with C.E.S (I) Pvt. Ltd.**
 - Resident Engineer
- ***4 Laning and Strengthening of the Existing Two Lane Section from Km. 470+000 to Km. 380+000 on National Highway-2 (World Bank Funded GTRIP Project., Construction Package II-B) Kanpur (U.P.), Bituminous Road, FIDIC based, Uttar Pradesh, India, Length: 90 km, Project Cost: INR 580 crores, Client: National Highways Authority of India, September 2007 to June 2008***

As **Resident Engineer**, responsible for guiding **technical team Comprising experts in various fields of engineering for Construction, Supervision & Project management**. His services inter-alia include **reviewing design of geometric flexible pavement and drainage, preparation of drawing for construction purposes, construction methodology, work programme of the contractor, deployment and proper utilization of men & machinery, quality control management**. Also responsible for overall management of the project including **day-today construction supervision monitoring of projects, assurance of quality, planning programming of work schedule & procurement of materials and its utilization**, certificate of **contractor's bills of claims**, disputes, extension of time, variation order and other contractual matters following **FIDIC guidelines**. Keeping liaison with client, conducting meeting with Contractor & client for review of progress and other matters. Preparation of reports, checking insurance and guarantees of the contractor. Providing **"on the job Training"** to Client's staff.

- ❑ **Oct. 2006 To August 2007** **Halcrow Group Ltd., UK in association with C.E.S (I) Pvt. Ltd. and STUP Consultants Pvt. Ltd.**
 - Resident Engineer/ Project Manager
- ***West Bengal Corridor Development Project (ADB Funded, Loan No. 1870-IDA), Contract Package-D & F, from (km 0+000) – Hilli (km 97+428) with a link SH-10 from Patiram to Balurghat road, Bituminous Road, FIDIC Based, West Bengal, India, Client: Public Works Department, West Bengal, 2 lane to 4 lane, Length: 97.428, Project Cost: INR 200 crores, Oct. 2006 to August 07***

As **Resident Engineer**, assisted the client in negotiation and finalization with the Contractor, issued the letters of commencement and handing over of the Site to the Contractor, issued Contract document and drawings to the Contractor, prepared project formats & procedures, approved the work program, approved the contractor's work methodology, prepared Quality Assurance Plan & Supervision manual, delegated/assigned the duties and the authorities to the sub-ordinate staff, inspected and supervised the day-to-day construction work, approved the working drawings and the shop drawings, issued the advance payment certificate against Plant and Equipment, issued the site instructions to the contractor, assisted the contractor in negotiations with the stakeholders for shifting of utilities and preparing the mitigation plans, held regular meetings with the Contractor and the client, assisted the contractor in

technical matters, issued the interim payment certificates to the client for the Contractors monthly payments, maintained daily diary and prepared monthly progress report of the project. Did contract management, project management etc for the project. Preparation of Reports, Checking setting out of works etc.

Feb. 2005- To Sept 2006

C.E.S (I) Pvt. Ltd.

○ Resident Engineer (Acting Team Leader)

- ***Improvement to Nagpur- Mumbai Road Project (NSGN, MSRDC Road Project) to National Highway Standard Road Package VII Section - Improvement to Karanaja – Malegaon Road including Tarala – Shelu Bazar & Malegaon By pass, 4 Lane, Project Cost: INR 312 crores (Length 78 km), includes 17 no. of bridges, one major bridge in addition to box / pipe culvert along the road, (BOT/PPP project), Bituminous Road, Client/Concessionaire: MSRDC, Feb. 2005- To Sept 2006***

As **Senior Resident Engineer**, responsible for review of the detailed design and recommending necessary changes including finalization of slightly altered new alignment and modifications, examination and certification of the construction drawings, monitoring and inspection of the contractors setup, laboratory and construction machinery & equipment, monitoring and certification of progress, preparation of weekly and monthly progress report, coordination and monitoring of the works of other experts working for the consultancy services etc. Implementation of civil work contracts, Approving Contractor's work program, method statement, material sources etc, Preparing and issuing Reports as per defined subsequently; Approving and issuing working drawings, setting out of the works and instructing the contractor's, Scrutinized the contractor's work programme and construction method, maintained quality assurance system of Contractor, review the test results /certificates of all construction materials and sources of materials other work involved checking measurements. Certifying work volume and issuing interim payment certificate, maintaining records, correspondence, diaries, consolidated project accounts and preparing financial statements etc. Development of **Quality Assurance Plan** for the project. Preparation and follow up reports. Participated in providing on the job training to client's staff.

□ **March 2003- To January 2005**

C.E.S (I) Pvt. Ltd

○ Road Construction cum Quality Assurance Engineer

- ***Construction Supervision of Delhi – Gurgaon Section of NH-8 into Access Controlled Six / Eight lane Highway (BOT Project), Bituminous Road, FIDIC conditions, Haryana, India, Length: 27 km, Project Cost: INR 450 crores, Client: M/s Jaypee – DSC (JV), March 2003 to Jan 2005***

As **Senior Resident Engineer**, responsible for was responsible for supervision of road formation in cutting & embankment, sub grades, granular sub base course, base course, water bound macadam, bitumen concrete & asphalt concrete, construction of multi cell RCC culvert, RCC retaining walls. Was also responsible for review of detailed engineering, design, planning, estimating & construction supervision, reconnaissance, survey & investigations, manpower resources, deployment of plant & machinery and stores management, quality control & quality assurance, imparting training to staff of the Client, Monitoring progress, and preparation of monthly / Quarterly progress Reports. Closely monitoring all survey activities, examining all Variation orders & examine works programmed & resource allocation plans. Documentation of all permanent & temporary records in relation to Quality Control, testing, Quantity recording, all correspondence, checking compliance with technical specifications, rules of contract documents Monthly & other periodical Progress Reports to ensure proper monitoring of various works, preparing records of all roads & structures in the Project. Assisting Resident Engineer in all matters.

□ Nov. 2000- To Feb 2003

BCEOM, Societe Francaise D'ingenierie, France in association with C.E.S (I) Pvt. Ltd

○ Highway Engineer

- **Construction supervision of Surat – Manor Tollway Project, on NH-8 in Gujarat (km 263.4 to km 439.0), Gujarat, India, Bituminous Road, Gujarat, India, FIDIC Based Civil Contracts, Length: 175 km, Lane: 4, Project Cost: INR 350 crores,, Client:NHAI, Nov 2000 to Feb 2003**

As **Resident Engineer**, responsible for administer the contract execution, Contract Administration/Management, Evolution & Standardization of Quality Control and Quality Assurance System, Review of Design and issuance of Working Drawings, Project Supervision, Check Contractor's Setting Out, Review Traffic Safety Measures, implementation of EMP, Documentation and Progress Reports, administered contract as per FIDIC conditions, approve/monitor of project safety compliance, Billing, Organize Coordination Meetings. Also involve in guiding to contractor in preparation of resource based Master Works plan, reviewing and approving the same, formulation of training programs and on-job training to selected staff of the client, Checking the preconstruction activities and contractors' preparedness to execute the planned work. Monitoring the progress with respect to the planning and checking the quality of Work. Assessing the problems and bottlenecks and advising contractor on necessary controls for improving progress and quality of Works. Apart from his Technical responsibility, he is also responsible for all project administrative decisions and activities

□ Dec.1994-Oct.2000

Larsen & Toubro Limited – ECC Construction Group

○ Project Engineer/ Project Manager

- **Construction Supervision of 6 laning of Mumbai – Pune Expressway under MSRDC, Maharashtra, (BOT PPP project) Project Cost: INR: 250 crores, Rigid pavement/Flexible pavement, Client/ Concessionaire: MSRDC, Mar.1997 to Oct.2000**

As **Project Manager**, Responsible for ensuring establishment of proper Quality Control and Quality Assurance system, overall management of construction works in accordance with FIDIC conditions of contract. The duties included overall supervision of the physical progress of work using latest project management and construction management techniques, supervision of workmanship, progress of work and checking implementation of in safety/environment management plan, preparation and checking of construction programme and plan of work, method statement, inspection and test plan, working drawings and as built drawings, setting up of field test laboratory for bituminous and concrete works, establishing the laboratory and, identification and approval of material sources, material testing, preparation of progress and other reports, checking of measurement of work done for processing the bills for payment , checking the interim payment certificates and releasing payment to contractors, prepare variation statement and case for Extension of Time, progress of work without hindrance for timely completion of work.

- **Improvement of SH-11 from Sambalpur to Rourkela Orissa, India, Funded by: ADB, Length: 160Km, FIDIC based, Bituminous Road, 4 Lane, Project Cost: INR 210 crores, Client: Public Works Department, Orissa, Dec.1994 – Feb.1997**

As **Project Manager**, responsible for monitoring the day to day construction activities, checking setting out, detailed work study of different construction activities and approving the best method, ensured Quality Control of each stage of work for approval and certification, preparation of sub-grade, Base course, Supervising Priming operation of base course and laying of asphalt, preparation and approval of mix design, preparation of bills, final measurements, prepared progress reports etc

□ Feb.1991- To Nov.1994

Bridge & Roof Company (India) Ltd. (A Govt. of India Enterprise)

○ Site Engineer

- **Widening and strengthening of 2-lane from km 00 to km 48 between Sonauli to Gorakhpur State Highway Project under FIDIC Conditions of Contract (World Bank funded), Length: 48 km, Project Cost: INR 96 crores, Client: Public Works Department, Uttar Pradesh, Feb.1991- To Nov.1994**

As **Site Engineer**, responsible for survey and setting out of work, planning, scheduling and monitoring of progress of works and establishment of laboratory for material including selection of testing equipment and preparation of quality assurance programme, organizing all field and laboratory tests on soil and materials. Also involved in preparation of mix for pavement layer material as per specification, selection of job mix formula for gravel sub base, open graded and dense graded aggregate base course and bituminous mixes, quality assurance of material and works, maintaining day to day records and diary, preparation of monthly progress reports.

Languages

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent

Certification By The Candidate:

I, the undersigned, (**Durvesh Tyagi, C/o- Mr. R. K. Tyagi, Advocate, Chamber No- 106, Collectorate Compound, Meerut Kacheri, Meerut, Uttar Pradesh, Mob-09911267297**) certify that I have not left any assignment with the consultants engaged by NHAI / contracting firm (firm to be supervised now) for any continuing work of NHAI without completing my assignment. I will be available for the entire duration of the current project “**Independent Engineer (IE) services for Six laning of Km 108/700 to Km 192/000, Vadodara to Bharuch section of NH-8 during Operation & Maintenance period in Gujarat on BOT basis, package-I on DBFOT Basis under NHDP-Phase-V**”. If I leave this assignment in the middle of the completion of the work, NHAI would be at liberty to debar me from taking any assignment in any of the NHAI works for an appropriate period of time to be decided by NHAI. I have no objection if my services are extended by NHAI for this work in future.

(Signature of staff member)

Date: 4th March, 2011
Day/Month/Year

For Key Personnel having intermittent inputs, add the following:

I further certify that I am associated with the following assignments as on date (as on 7 days prior to due date for submission of proposal) including those for which LOA has been received by the firm and the inputs in these assignments shall not effect the work of the current assignment.

Name of Assignment	Client	Date of LOA	Likely start (Month / Year)	Likely end (Month / Year)	Total input of the person (man-months)
Detailed Engineering Design and Construction Supervision for Six-Laning of the Gurgaon-Kotputli-Jaipur Section of from km.42/700 to km. 273/000 at National Highway-8 in the State of Haryana & Rajasthan-on Design Build Finance & Operate pattern (BOT PPP project) under National Highways Development Programme Phase-V, FIDIC Conditions, Bituminous Standard, Length: 64.4 km, Project Cost: INR 780 crores	Client: Pink City Expressway Pvt. Ltd., Govt. of Tamil Nadu,	10.11.2008	December 2008	March 2011	12

(Signature of staff member)

Date: 4th March 2011
Day/Month/Year

Note : CVs of Key Personnel having intermittent inputs will be considered only if the assignments on hand as on 7 days before due date of proposal including those for which LOA has been received from the Client do not exceed 3 (three).

Certification By The Firm:

The undersigned on behalf of **LEA Associates South Asia Pvt. Ltd.** certify that **Shri Durvesh Tyagi, C/o- Mr. R. K. Tyagi, Advocate, Chamber No- 106, Collectorate Compound, Meerut Kacheri, Merrut, Uttar Pradesh, Mob-09911267297)** to the best of our knowledge has not left his assignment with any other consulting firm engaged by NHAI / Contracting firm (firm to be supervised now) for the ongoing projects. We understand that if the information about leaving the past assignment is known to NHAI, NHAI would be at liberty to remove the personnel from the present assignment and debar him for an appropriate period to be decided by NHAI.

[Signature of staff member or authorized representative of the Firm]

Date: 4th March 2011
Day/Month/Year

Full name of staff member : Durvesh Kumar Tyagi
Full name of authorized representative :