



# CONSULTING ENGINEERS GROUP LTD

An ISO 9001 : 2008 Company

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Ref: - CEG/PR/Kharagpur(PMC)/17/

Date: - 21<sup>st</sup> Sep., 2011

To

**Mr. Laxmikant E. Patil**

Sr. Executive Engineer (BD),

Ashoka Buildcon Ltd.,

'Ashoka House', Ashoka Marg,

Ashoka Nagar,

Nashik - 422 011

Tel: (0253) 3011705, Fax: (0253) 2422704

E-mail: corporate@ashokabuildcon.com

**Sub:-**Project Management Consultancy Services for 6-laning of Dhankuni-Khagarpur Section of NH-6 in the State of West Bengal to be executed as BOT (Toll) basis on DBFOT Pattern under NHDP-V : - **Approval of CVs .**

Dear Sir,

The CVs in respect of following staff are enclosed for your perusal and confirmation with regard to their interaction with Mr. Mr. Sanjay Londhe, Director /Sh. Mohit Kar, General Manager.

S. No.	Name of Candidate	Proposed Position
1	Sh. C. V. Krishna	Sr. Material Engineer
2.	Sh. Sree Ramkrishna, Vendrapu	Bridge Engineer

Thanking You,  
Yours faithfully,

  
(L. D. Sharma)

Brig. Retd.

Director (Admin & Coord.)

## CURRICULUM VITAE

- |   |  |
|---|--|
| <b>1. Proposed Position:</b>                    | <b>Sr. Material Engineer</b>   |
| <b>2. Name of Staff:</b>                        | <b>C. V. Krishna</b>   |
| <b>3. Date of Birth:</b>                        | 6 <sup>th</sup> Feb 1971   |
| <b>4. Nationality:</b>                          | Indian   |
| <b>5. Educational qualification:</b>            | <ul style="list-style-type: none"><li>• Diploma in Civil Engineering, Govt. polytechnic, K.R. Pet. 1989, First Class.</li><li>• BE. Civil Engineering, Bangalore University, 1995 First Class with Distinction</li></ul> |
| <b>6. Membership of Professional Societies:</b> | INDIAN ROAD CONGRESS<br>MIE MEMBERSHIP   |

### 7. Employment Record:

**From Nov. 2009 to till date**

*Employer*

**Feedback Ventures Pvt. Ltd.**

*Position Held*

**Senior Material Engineer**

*Project*

**Project Management Consultancy Services for  
Amravati - Talegaon Project NH-6 Km CH 100.000  
To 166.725**

Client : National Highways Authority of India  
Funded by : DBFOT CONCESSIONAIRE - IRB Infrastructure  
Developer Ltd. & MRM PVT. LTD  
Project Cost: INR 567 Crores.  
Length : 67 Km (4 Lane)

*Description of duties*

- Assists the client in finalization of Quarries,
- Verification of the documents pertaining to the quarry location.
- Getting the sample tested.
- Recommending / approving the quarry location based on test results.
- Co-Ordination with design consultant and IC for getting timely approvals for material.
- Keeping and maintaining the records of all the material contractual correspondences.
- Preparation of all relevant manuals like QA / QC manual as per client's concession agreement with NHAI for contractual submission to NHAI/IC.
- QA/QC procedure setting for each activity.
- Preparation of monthly progress report /Quarterly progress report /Daily progress report in adequate numbers along with detailed quality control test statement in an approved format.
- Advise on use of modern technology and materials to reduce construction time and cost overrun.
- Reviewing and approving construction plants and equipments.
- Drafting of all contractual and routine correspondences

*Krishna* <sup>1</sup>

*Krishna*



for Material section with NHAI/IC/Design Consultant/ Agencies/ Local Authority etc. submission of the same to the client for further N/A.

- Review /Revise /Prepare quality assurance manual and Institute quality assurance system for submission to the IC and implementation at site accordingly.
- Witness, review and approve material reports and test results.
- Witness, review and approve source of materials.
- Witness, review and approve job mix for sub-base, base course and cement concrete for structure and pavement and sequence of laying and testing.
- Witness and check all tests and carryout independent tests as and when required.
- Maintain record of tests on materials and works.
- Order special test of material for completed works.
- Order removal and substitution of improper material.
- Approve / suggest modification in mix design, laying methods, sampling and testing procedure and quality control measures to ensure required standard and consistency in quality, at the commencement of item.
- Day to day quality control, workmanship and supervise and inspect the performance of work based on RFI working system and maintaining the records accordingly.
- Verify and certify quality and completion of works.
- Preparation of punch list along with IC to get COD provisional completion certificate and subsequently final completion certificate with respect to material section.
- Ensure that the construction works are in accordance with the technical specification and stipulation of construction contract documents.
- Assisting client in interpretation of technical specification and other contract documents.
- Assisting the SPV on contractual matters with NHAI, IC and Executing agencies with respect to material section.
- Check and recommend material ordering schedule and monitor material inventory for permanent works.
- Maintain records of all plants, labour and material used in the construction of the works.
- Review of Design Consultant's Design Inception report, QAP, Axle load report, BBD report, Traffic density calculation report and Geotechnical Investigation report.
- Ensure adequate curing procedures on site as well as Precasting yard and Lab.
- Monitoring of Concrete Plant production, for structural works etc.

**From Jul 2006 to Nov. 2009**

*Employer*

*Position Held*

*Project*

**Feedback Ventures Engineers Pvt. Ltd.**

**Pavement cum Material Engineer**

**Construction Supervision for Widening & Strengthening of existing National Highway from Karur to Kangayam on NH 67 from Km 218.200 to 277.400; Package KC-01 in the state of Tamil Nadu.**

Client: National Highways Authority of India

Funded by: NHAI

Project Cost: INR 85 Crores

Length: 59.2 Km (6.4 Km 4 Lane + 52.8 Km 2 Lane)

*Keshavan*

*For Signature*



*Description of duties*

Responsibilities includes control of testing and specifications, etc. are appropriate and are included as part of the Quality assurance plan to ensure a high quality pavement is constructed. Identification of material related problems associate with quarry approvals, Material testing, approval of material and mix designs, laying procedures, prescribing appropriate construction methodologies etc. Providing in put to, and give final approval of, all aspects of the quality assurance plan related to the specification, testing approval and use of materials and mix designs in pavement construction. Review the contractor's materials testing methods and operations. Preparation of monthly project quality control certificate for IPC, preparation and maintenance a healthy and safety plan etc.

**From Sep 2004 to Jul 2006**

*Employer*

**Feedback Ventures Engineers,Pvt. Ltd.**

*Position Held*

**Quality Material Engineer**

*Project*

**Construction Supervision for Widening and Strengthening of existing State Highway from Jewargi to Bijapur from Km. 59.000 to 90.000 (Including Sindagi Bypass) Package JB-3 in the state of Karnataka.**

Client : KRDCL

Funded by : HUDCO

Project Cost : INR 50 Crores

Length : 31 km (2 Lane)

*Description of duties*

Responsibility includes carrying out construction activities as per schedule programme, construction of highways and Bridges including finalization of alignment, construction planning, evaluation of pavements, supervising laying of pavement layers monitoring the day to day construction activities, detailed work study of different construction activities and proving the best method, ensure Quality Control at each stage of work for approval and certification, carrying out testing Materials in laboratory and in the field preparation of sub-grade, Base course, Supervising Priming operation of base course and laying of asphalt, preparation and approval of mix design, Monitoring the production from the Hot Mix Plant, aggregate crushing plant, etc.

**From Mar 2003 to Sep 2004**

*Employer*

**STUP Consultants Ltd.**

*Position Held*

**Material Engineer (Quality control)**

*Project*

**World Bank Funded Construction supervision for strengthening and widening of 2-lane Karnataka State Highway from Tikotta - Badchi, km.20 to km.63; Package M-2, SH-12 and from Lingasur - Sindanur, Chainage..Km 000 to 52.5 km, Package M-12, SH-19 executed under FIDIC Conditions of contract.**

Client : KSHIP-KARNATAKA GOVT.

Funded by : World Bank

Project Cost : INR 100 Crores

Length : 43+52.5 km (2 Lane)

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*Description of duties*

Responsibilities included, identification of source of materials, inspecting & approving all sources of materials and aggregates & ensuring materials delivered at site comply with specification, check the laboratory and field tests carried out by contractor and carry out independent tests, review all bituminous mix designs, concrete mix design proposed by contractor and approve quality control measures to ensure required standards and consistency in quality & suggest rectification if necessary, laying methods, guiding and monitoring the activities of the laboratory staff onsite and ensuring all tests and sampling is correctly implemented and results properly recorded and analyzed.

**Oct 2001 to Jan 2002**

*Employer*

**GMR Tambram-Tindivanam Expressways Pvt. Ltd.**

*Position Held*

**Project Manager / Material expert**

*Project*

**Construction Supervision for Strengthening and Widening to 4 Lane of National Highway from Tambaram to Tindivanam from Km 28 to Km 121 of Length on NH-45 in the State of Tamil Nadu on Annuity Basis**

Client: National Highways Authority of India.

Funded by : Annuity Project (PPP Project)

Project Cost : INR 320 Crores

Length : 93 km (4 Lane)

*Description of duties*

Responsibilities included, carrying out construction activities as per schedule programme, finalization of alignment Checking, Design Drawing of L- Section & Cross Section, construction planning, Planning, Implementation & fixing of Targets, design and laying of pavement layers monitoring the day to day construction activities, checking setting out, detailed work of different construction activities and approving the best method, ensure Quality Control at each stage of work and certification, preparation of sub-grade, Supervising of base course and laying of Asphalt material, preparation and approval of mix design, Monitoring the production from the Hot mix Plant, aggregate crushing plant preparation of bills for final measurement, preparation of progress reports. Apart from the above also responsible for Coordinating with NHAI Independent Engineers, Project Director NHAI, General Manager NHAI, PCB, Highway secretary, Metrological department, Mines and Geology department and Chief Engineer of Railways etc.

**From Jan 2002 to Feb 2003**

*Employer*

**UEM-ESSAR Pvt. Ltd.  
(Deputation from GMR Pvt. Ltd.)**

*Position Held*

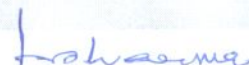
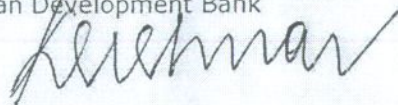
**Senior Material Engineer**

*Project*

**ADB Funded Construction Supervision for Strengthening and Widening to 4 Lane of National Highway from Chitradurga – Haveri from Km 207.000 to Km. 284.000 on NH-4, in the State of Karnataka, executed under FIDIC Conditions of contract.**

Client: National Highways Authority of India

Funded by : Asian Development Bank





Project Cost: INR 300 Crores  
Length: 77 Km

*Description of duties*

- Coordination with Supervision Consultants.
- Scheduling and procuring material as per specification
- Operation and maintenance of field testing equipments, testing of construction materials.
- Identification of Borrow areas, Quarry approvals for operation and execution of work, quality control of work as per specification, conducting test.
- Guiding and monitoring with the staff of the material testing laboratory and company's key personal.
- Preparation of monthly progress reports, weekly work programmes, variations, alterations.
- Monitoring operation on concrete mixing plants, production for Hot Mix Plant Aggregate Crushing Plant and Paving work at site.
- Design of Asphalt and cement concrete mixes.

**From Aug 1998 to Sep 2001**

*Employer*

**Span Consultants Pvt. Ltd.**

*Position Held*

**Material Engineer (QC)**

*Project*

**ADB Funded Supervision consultancy for four laning including strengthening of exiting two lanes of NH-2 Raniganj to Panagarth from Km. 474.000 to 515.236 of length 41 kms in the state of West Bengal. Executed under FIDIC Conditions of Contract.**

Client: National Highways Authority of India.

Funded by: Asian Development Bank.

Project Cost : INR 85 Crores

*Description of duties*

- Identification of source of materials, inspecting & approving all sources of material and aggregates & ensuring materials delivered at site comply with specification.
- Check the laboratory and field tests carried out by contractor and carry out independent test.
- Review all bituminous mix designs, concrete mix design proposed by Contractor and approve quality control measures to ensure required standards and consistency in quality & suggest modifications if necessary, laying methods, guiding and monitoring the activities of the laboratory staff on site.
- Imparting training and ensuring all tests and sampling is correctly implemented and results properly recorded and analyzed.

**From Oct 1996 to Aug 1998**

*Employer*

**Span Consultants Pvt. Ltd**

*Position Held*

**Assistant Resident Engineer (Materials)**

*Project*

**ADB Funded Design Review and construction Supervision for four lanning of Alwaye-Sherthalai Road Chainage 000 to 47.000 Km. on NH-47 in the state of Kerala (Package N2 and N3) Executed under FIDIC Conditions of Contract.**

Client: National Highways Authority of India.

Funded by: Asian Development Bank.

*Krishnan* 5

*Krishnan*



- Testing of construction materials, quality control of works as per specification.
- Conducting tests, guiding and monitoring the activities of the laboratory staff on site.
- Supervising and coordinating with the staff of the materials testing laboratory.
- Maintaining all the documents with respect to IPC.
- Conducting calibrations for all the equipments.

#### 8. Key Qualification:

Mr. Krishna, a Diploma in Civil Engg and Graduate in Civil Engineering, has 16 years of experience in various Highways projects involving Investigations, Project Management and Construction Supervision. Spectrum of expertise covers Physical Survey, Pavement investigation. Soil & Material and Geo-Technical investigation, Construction, Supervision & Project Management of all kinds of road works on both Flexible and Rigid Pavement. Apart from the above involved in guiding and supervising by prescribing the construction methodologies and control tests specifications etc. To ensure construction of high quality pavement, Preparing contractual matters, construction manuals, quality assurance programmes and construction method manuals, working drawings, evaluation of requirement of resources men, materials, machinery including batching plant, crusher plant, hot mix plant and modern sensor pavers, expertise in construction planning, programming, and monitoring of works, preparation of cash flow estimates and assessing variations with special reference to budget cost vs actual cost, site management.

Worked on a number of projects funded by multilateral funding agencies with MORT & H, IRC regulations and FIDIC conditions of contract and is well versed with modern highway construction technology.

#### Certification:

1. I am willing to work on the project and I will be available for entire duration of the project assignment and I will not engage himself in any other assignment during the currency of his assignment on the project.
2. I, the undersigned, certify that to the best of my knowledge and belief, this bio-data correctly describes myself, my qualification and my experience.

Signature of the Candidate:

Place:

Date:

Signature of the Authorized Representative of the firm:

Place:

Date:

## CURRICULUM VITAE

- |  |  |
|--|--|
| 1. Proposed Position:                    | Bridge Engineer  |
| 2. Name of Staff:                        | Sree Ramakrishna, Vendrapu   |
| 3. Date of Birth:                        | 09 July 1968   |
| 4. Nationality:                          | Indian   |
| 5. Educational qualification:            | <ul style="list-style-type: none"><li>• M.E in structures from Madurai Kamaraj University, in 1992 with First class.</li><li>• AMIE in Civil Engineering in 1990 with First class</li><li>• Diploma in Civil Engineering in 1987 with First class- Distinction</li></ul> |
| 6. Membership of Professional Societies: | <ul style="list-style-type: none"><li>• Life member, Indian Road Congress.</li><li>• Life member of Indian concrete institute, Chennai</li></ul>   |

### 7. Employment Record:

March 2010 – Till Date

*Employer*

*Position Held*

*Project*

**International Bechtel Ltd,**

**Lead Discipline Engineer - Structural**

**Programme / The project management, detailed design, procurement, construction of the port and its associated infrastructures for Khalifa Port and Industrial Zone (KPIZ) project. Abu Dhabi, UAE.**

Client :

Funded by :

**Project Cost USD 3.2 Billion (INR. 1, 45,600 Million).**

Length :

*Description of duties*

Provide project-wide design management and direction and to manage day-to-day engineering efforts, construction efforts, including the integration of multiple design and construction packages for major construction packages. Provide workable recommendations and advice to client management on engineering issues and improvement / optimization efforts.

Fully knowledge about international codes, standards and recommended practices to be applied for construction projects during FEED & EPC phase of execution.

Review of design and engineering documents.

Effectively interface with and manage EPC Companies. Provide project- wide construction management and direction.

Performing constructability reviews, site plan management and tracking construction progress etc. Demonstrated ability to effectively communicates, both orally and in writing.

Project management, contract management, project contracts, engineering management, construction management, HSE, Quality Assurance, Risk and change management, etc. My exact role is to be to monitor the performance of the Programme / Project management consultant.

**From Jan 2009 – Feb 2010**

*Employer*

**SMEC International Ltd, New Delhi.**





*Position Held*

**Resident Engineer**

*Project*

Design review and Construction supervision of Orissa State Highway project with World Bank funding .From Berhampur to Taptapani ( Km.0+000 to Km. 61+000) , Orissa. Project  
Client: Orissa state Govt.PWD  
Funded by: World Bank  
Cost: US\$.36.6 0Millions  
Length: 61.00KM

*Description of duties*

Responsible for monitoring all Road / Structural activities for the construction of project. Representing the Team Leader in all discussions, progress meetings communications with the Client, Design Consultants and Contractors. Duties include Co-ordination and liaison with World Bank team members of the project management and site supervision teams. Ensuring requirements / instructions given by the client / World Bank team are incorporated in the project documents during the various stages of the projects. Monitoring the review of construction documents. Assisting with the production of monthly progress report issued to the client. Ensuring that necessary engineering and design clarifications of the contract drawings and specifications are provided by the appropriate parties. Assisting with the assessment of Value Engineering proposals from Contractors with the view of making cost and time savings. Directing and managing discipline team personnel with respect to the construction work. Assisting the contractor with resolving design issues.  
Coordinating production of working drawings, compiling structural calculations, specifications, carrying out structural surveys, advice on foundation strengthening and underpinning, preparation of contract documentation cost scheduling, structural reporting and liaison with Clients, and contractors and site supervision

**From Sep 2007 to Dec 2008**

*Employer*

**Parsons Global Services Ltd.**

*Position Held*

**Resident Engineer - structures**

*Project*

**Construction of Reef (Lulu) Island Access Bridge link to the Reef (Lulu) Island, Kingdom of Bahrain.**

Client : Ministry of Works

Funded by : Kingdom of Bahrain Gov.

**Project Cost: US\$.16.00 0Millions**

Length : 18.00KM

*Description of duties*

Review pile design and method statement for the vertical pile load test (static load test)and integrity test .Level details of piles, pile cut off level, toe level , pile working programme etc .Review the Structural drawings, notes and specifications provided by the design office at each stage to ensure correctness and compliance with the scope of work. Review and reply to contractors clarifications and participate in issuing bulletins and attending technical meetings with contractors .Responsible for monitoring of progress, evaluation of monthly progress reports, review of shop drawings and checking of Bar bending schedules etc .Undertake general site inspection and routine checking of the construction and installation activities. Evaluation monthly Interim Payments & participate in the construction coordination meeting. Liaise with client representatives.

**From Aug 2004 to Sep 2007**

*Employer*

**Halcrow International Patership, Sharjah, UAE.**

*Position Held*

**Asst. Resident Engineer**



*Asst. Resident Engineer*



*Project*

Construction of new grade separated Interchanges at four junctions namely Abu Shagara, Yarmook, Flying Saucer and Cultural Square junctions on Al Wahda road.

Construction of Al Ittihad Interchange with the 4 turning loops and slip roads over the Sharjah - Dubai highway road , Sharjah , UAE.

Construction Of King Faisal Square Interchange at the existing King Faisal Road R/A 14, located along Sharjah - Dubai highway road between R/A 8 and Abu Shagara junction.

Client : Sharjah Electricity and Water Authority(SEWA)

Funded by: Sharjah, UAE Gov.

Projects Cost: US\$.248.00 0Millions.

Length : 44.60KM

*Description of duties*

Review and revision with comments of Clause 14 Programme (construction programme), Evaluate contractors Method Statements / Construction sequences for every element of bridge/ viaduct .Review the Structural drawings, notes and specifications provided by the design office at each stage to ensure correctness and compliance with the scope of work. Review and reply to contractors clarifications and participate in issuing bulletins and attending technical meetings with contractors .Responsible for monitoring of progress, evaluation of monthly progress reports , review of shop drawings and checking of Bar bending schedules etc .Responsible for the new rate analysis and preparation for variations .Undertake general site inspection and routine checking of the construction and installation activities. Evaluation monthly Interim Payments & participate in the construction coordination meeting.

Liaise with client representatives. Responsible for supervision of all construction activities as filling/ cutting of earthwork/ wet mix/ asphalt base course (DBM) and wearing course placement and also supervision of service activities. Checking and giving feedback to clients for the contractual requirements and claims .As a member of Project management team, I was responsible to instruct guide, certify the bills of different Bridge and road works and other operational activities at site. Moreover, was responsible for monitoring the budget allocation to ensure smooth progress of works.

April 2003- July 2004

*Employer*

**BCEOM French Engineering Consultant.**

*Position Held*

**Bridge Engineer**

*Project*

**Widening of Existing 2-Lanes to 6 -Lanes divided carriage way facility including Rehabilitation of Existing 2- Lanes from Km.273.500 to Km.363.885. on Jaipur- Kishangarh section of NH-8 in Rajasthan.**

Client: NHAI

Funded by : NHAI & GVK under BOT

**Project Cost: US\$.156.50 0Millions**

Length : 90.335KM

*Description of duties*

Interpretation of subsoil investigation reports for use in designs. Responsible for review of all designs, quality plans, traffic management proposals and safety plans. Also responsible for the supervision of a team of engineers carrying out the construction supervision and quality auditing. Checking of designs of Bridges, interchanges and any other structure to be constructed as part of the Project highway .Inspect the construction of structure .Monitor Bridge rehabilitation and repair works to be undertaken by





Concessionaire. Checking of geo technical and soil investigation reports .Interpretation of sub soil investigation reports for use in designs. Recommendation of foundation levels and spans arrangement. Construction supervision of works to ensure its compliance with the specifications, design and drawings. Checking of design of falls work for superstructure.

**From April 2001 – March 2003**

*Employer*

**SMEC International Pty Ltd.**

*Position Held*

**Bridge Engineer**

*Project*

**Construction Supervision and review of design, Strengthening Four laning of Etawah Bypass on National Highway No. 2 in Etawah District in Uttar Pradesh (FIDIC Conditions of Contract).**

Client: NHAI

Funded by : NHAI

**Project Cost: US\$.27.30 0Millions**

Length: 14.50KM

*Description of duties*

Recommendation of foundation levels and span arrangements Responsible for the approval of BBS and construction drawings submitted by the contractor for execution of work at site. Proof checking review of design of Road and structural work with open and pile foundation, solid slab, voided or T beam super structures and other CD works, modify and prepare revised drawings as per design review, Finalization of centre line of bridges and cross drainage works from hydraulic data, setting out, Review and revision of construction program including financial statements, S-curve etc .,Construction supervision of works to ensure its compliance with the specifications, design and drawings. Checking of designs of falls work for superstructures .Assistance to Resident Engineer in administration of project, preparation of monthly and quarterly progress report , to be submitted to client .Assistance to site staff and Quantity surveyor in preparation of monthly work bill and IPC .Assistance to Resident Engineer in preparation of variation order.

**From Feb 1995 - March 2001**

*Employer*

**BSPL-RBM-PATI (JV).**

*Position Held*

**Senior Engineer (Bridges)**

*Project*

**Four/Six Laning and Strengthening of NH-2 & NH-6 from Barwa adda (Km398.75) to Barakar (Km441.44)in Bihar and Kolaghat to Dankuni in West Bengal under loan Asian Development Bank (Loan No.1274-IND).**

Client: NHAI

Funded by: Asian Development Bank.

Projects Cost: US\$.156.00 0Millions

*Description of duties*

Work planning and implementation of work schedules. Preparation of time location plan for work scheduling and machinery organization at site. Material estimation for road and bridge work and organization for allocated structures Preparation of GOOD FOR CONSTRUCTION drawings, BBS& staging details Surveying and setting of layout check survey plan and ensure proper layout of bridges .Preparation of drawings for Work planning and implementation of work schedules. Preparation of time location plan for work scheduling and machinery organization at site. Material estimation for road and bridge work and organization at site. Material estimation for road and bridge work and organization for allocated structures Preparation of GOOD FOR CONSTRUCTION drawings, BBS & staging details Surveying and setting of layout check survey plan and



ensure proper layout of bridges .Preparation of drawings for diversion roads. Material procurement for structural work (bridge bearings, expansion joints etc.).Setting of bridge alignment Planning, supervision and quality assurance of open, pile and well foundations, substructures, superstructures etc .Planning, Construction, supervision and quality assurance for road construction activities (earthwork, GSB, WMM, DBM, BC), kerb laying etc.

**From June 1992 - Dec 1994**

*Employer*

**M/S. National Buildings Construction Corporation Ltd.** (A Government of India organization, New Delhi.

*Position Held*

**Asst. Engineer (Technical)**

*Project*

Design review and Construction of Hostel blocks, 644 Quarters, RCC Over head & Under Ground tanks, Heavy machine foundations & Silo Structure etc for Heavy Water Plant, Manuguru, Andhra Pradesh.

Client: Heavy Water Plant (HWP), Manugur  
Funded by: Department of Atomic Energy (DAE)  
**Project Cost: US\$.6.60 0Millions**  
Length : 47 km.

*Description of duties*

Initial site survey, fixing of alignment of project, fixing of bench mark, site set-up and site mobilization (site office, site laboratory etc)Work planning site supervision and quality assurance at site Setting of Bridge alignment . Quantity estimation, material estimation and procurement. Preparation of construction drawings and bar bending schedules . Work program discuss with consultant and monitoring the same. Rate analysis for PRW and subcontractors Preparation of work methodology for execution of project .Construction supervision and execution with strict quality control. Liaison with client and consultant.

#### **8. Key qualifications:**

Mr. Vendrapu, a Graduate in Civil Engineering, has 19 years of professional experience in construction and supervision in Highways including Bridge / Interchange / ROB's / Via ducts and Marine bridge works. I have to my credit successful completion of construction, supervision, checking of all designs, quality plans, traffic management proposals and safety plans. Also responsible for the supervision of a team of engineers carrying out the construction supervision and quality auditing. Supervise the International contractor's works ensuring that all design requirements are met to acceptable standards, ascertain quality, and certify and approve stages of construction for each structure. Review contractor's construction methodology, and work plans for each and every element of structure and approve them with comments. Review the project's Environmental Monitoring and Management plans (EMP), carryout regular audits and monitoring and provide technical advice. Review contractual issues including contract variation and seek approval from appropriate authorities.

Possess hands-on experience in preparation and finalization of project planning / clause 14 programme and work scheduling, construction methodologies, financial valuation and optimization schedule for work force.. Have been actively associated with subsoil investigation and design review, setting out including, Financial Progress and Progress Monitoring, Project and Contract Management, formulation of maintenance manuals and imparting of training. Fair knowledge in contract laws, FIDIC conditions of contract and BS / AASTHO-LRFD / ASTM / IRC / IS/MORTH Specifications.

I have analytic skills with regard, identification of contract variations, processing contractors claims, financial analysis of project, framing of the work method statements and implementation of bridge construction works and cross drainage structure, construction of various pavement courses viz. earthwork, sub-grade, sub base / road base and bituminous courses, preparation of BOQ documents as per FIDIC Conditions of Contract, new rates finalization for additional items as per CESMM3.





**Certification:**

1. I am willing to work on the project and I will be available for entire duration of the project assignment and I will not engage himself in any other assignment during the currency of his assignment on the project.

2. I, the undersigned, certify that to the best of my knowledge and belief, this bio-data correctly describes myself, my qualification and my experience.

Signature of the Candidate: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_



HYDERABAD

19/09/2011

Signature of the Authorized Representative of the firm: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_



Talpur

21.09.2011