CURRICULUM VITAE

Name:	**Rewati Ranjan**
Proposed Position	**R E / Sr. Bridge Engineer**
Profession:	Civil Engineering
Date of Birth:	12/12/1963
Nationality:	INDIAN
Membership of Professional Societies	Associate member of Institution Of Engineers (I)
Detailed Task Assigned:	• Carryout inspections and quality control of all works related to bridges, flyovers and other structures and ensure the works are being done as per drawing & specification. • Establish checklists and procedure with review for material sampling and testing, certifications, inspection and testing of work and work measurement. • Monitor geo-technical investigation and review the working drawings and ensure that the proper coordination is maintained between Design and Construction team works. • Assist Senior Design Engineer in review design – build contractors coceptuals design and final design drawings, details and specification for construction of all bridges flyovers and road over & under bridges. • Approving pre-stressing methodology , bar bending schedule and all shop designs, inspection of concessionaires pre-casting yard rock crushers batch mix plants with inspection of Contractor's Facilities & Equipments

Educational Qualification:-

- AMIE (Civil), Sec-A & B Examination The Institution of Engineers (India), Dec-1986.
- Isc. (PCM) in the Year – 1982.

Professional Qualification:-

- Chartered Engineer.

Personal Details:-

Address: - ***B/9, Jaiprakash Nagar, P.O:- Ashiana Nagar, Patna-800025. Email:-*** ***rewati_ranjan1263@yahoo.co.in.*** ***Mobile :- 9999996283***
Gender: - ***Male*** ***Martial Status :-*** ***Married*** ***Religion:- Hindu***
Language Known:- Hindi, English & (acquainted with Bengali & Od

Introduction:-

Mr. Rewati Ranjan has passed Section A & B in Civil Engineering in the year Dec- 1985 & 1986 from The InstitutionOf Engineers (I) and having more than **32 years** of professional experience in Construction Supervision and Project Management of high level structures, segmental bridges & flyovers, PSC girder bridges & flyovers along with other minor bridges and other highway structures with modern construction methods and latest design standards/technical specifications.

He has also expertise in Tunnel Lining, steel fabricated structures and high level staging and shuttering arrangements forstructures. He is specialized in construction of deep foundations viz. well and piles foundations including correction of shifting & tilting of well foundations.
He has wide experience in **Construction supervision** and **rehabilitation and repair** works including retrofittings of**bridges, ROBs and their related structures. He has supervised construction of more than 30 Major Bridges/Flyovers, 5 ROB's, 04 nos of Intercahanges and 90 other highway structures.**

His experience also covers deployment of **heavy machinery and equipments for bridges, resource allocation,preparing quality assurance program, financial and physical progress monitoring, project and contract management,** manuals and training, sourcing sampling of materials in field and laboratory testing.

He is well conversant with bridge construction materials, technical specifications, testing procedure, relevant IRC codes andMORTH specifications and standards and best practices in the construction of bridges. He is thoroughly conversant with design standards, technical specifications and statistical quality control and quality assurance procedures for construction of different components of bridges.

EMPLOYMENT RECORD:

1. From 07.01.2020 to till date	
Employer:	**TPF Getinsa Euroestudios S.L**
Project Name	• **Upgradation to 2 lane with paved shoulder / 4 lane of Khajuwala-Poogal Section (Design Chainage 0+000 to 30+812) and Poogal to Dantor-Jaggasar-Gokul-Godu-Ranjeetpura-Charanwala-Naukh-Bap Section of NH-911 (Design Chainage 1+430 to 182+725) (Total length of 212.107 km) under Bharatmala Pariyojna in the State of Rajasthan on Hybrid Annuity Mode.**
Client:	**NHAI, Bikaner**
Position Held:	**Bridge Engineer**
Responsibilities	*Responsible for reviewing the structural designs and working drawings and approving minor modifications as per site conditions. Review geotechnical investigation report hydrological investigation reports, review of HFL, vertical clearance, formation level of roads, aprons etc. Responsible for construction supervision of new bridges & culverts, approval of construction methodology and retrofitting methodology ensuring its proper implementations Supervision of open raft foundation , pile foundation, well foundation ensuring implementation of Quality Assurance Manuals and Systems , study and review of design drawings & rectifying mistakes ,, checking adequacy of proper form work & staging, BBS fabrication and placement of reinforcement, duct profile & placement of HT Strands for stressing in girder & segments , laying/ compacting of concrete including curing operations scrutinizing the reports, technical managerial controls of the bridge construction work. Testing of construction materials , pre stress materials and bearings , cube test etc.*

Details of Major Structures (CH- 0+000 to CH- 50+475):-

Sl No.	Bridge	Category	Nos	Length (m)	Span Arrangement	Superstructure Type	Foundation Type
1	Canal Bridge	Minor Bridge	1	28.0	1x28.0	Dech Slab over PSC Girder	Pile Foundation
2	Canal Bridge	Minor Bridge	1	6.7	1x6.7	Solid Slab over shear wall	Raft Foundation
3	Canal Bridge	Minor Bridge	1	10.0	1x10.0	Solid Slab over shear wall	Raft Foundation
4	Canal Bridge	Minor Bridge	1	21.0	1x21.0	Dech slab over PSC girder	Raft Foundation
5	Canal Bridge	Minor Bridge	1	58.0	1x58.0	Dech slab over Steel Frame girder	Pile Foundation

Other Structures:

1. **VUP** **:** 3 nos. – 16.0x5.5 to 7.5 mtr
2. **Box Culvert** **:** 107 nos. – 2.0x1.5 to 3.0x3.5 mtr
3. **Pipe Culvert** **:** 78 nos. – 1x1.20 mtr

2. From 17.06.2019 to 06.01.2020	
Employer:	**M/s NEW INDIA STRUCTURES PVT LTD.**
Project Name	• **8 Laning of Mukarba Chowk – Panipat Toll Road in the state of Delhi & Haryana from Km14.972 to Km 86.3 (working presently)**
Client:	**NHAI**
Position Held:	**Bridge Engineer /(Project Manager)**
Job Assigned	*Over all in-charge of structures from CH-0 + 000 to Ch. 50 + 000 including supervision of 2 nos of GS, 2 nos of ROBs, , 6 nos of major bridges, 3 nos of minor bridge, UPTC 2 nos with 23 nos of PX, CX, VUP & culverts. RE panel pre-casting and erection, PSC girder casting & erection.*

Responsibilities	*Responsible for reviewing the structural designs and working drawings and approving minor modifications as per site conditions. Review geotechnical investigation report hydrological investigation reports, review of HFL, vertical clearance, formation level of roads, aprons etc. Responsible for construction supervision of new bridges & culverts, approval of construction methodology and retrofitting methodology ensuring its proper implementations Supervision of open raft foundation , pile foundation, well foundation ensuring implementation of Quality Assurance Manuals and Systems , study and review of design drawings & rectifying mistakes ,, checking adequacy of proper form work & staging, BBS fabrication and placement of reinforcement, duct profile & placement of HT Strands for stressing in girder & segments , laying/ compacting of concrete including curing operations scrutinizing the reports, technical managerial controls of the bridge construction work. Testing of construction materials , pre stress materials and bearings , cube test etc.*

Details of Major Structures (CH- 0+000 to CH- 14+497 to 86+300).

S.N	Bridge	Category	Nos	Length (m)	Span Arrangement	Superstructure Type	Foundation Type
1	Flyover	Major Bridge	1	111.60	32.2+47.2+32.2	Dech Slab over PSC Girder	Pile Foundation
2	Flyover	Minor Bridge	6	30.0	1x30.0	Dech Slab over PSC Girder	Pile Foundation
3	Bridge Over Drain	Minor	18	27.60	9.2+9.2+9.2	Solid slab over shear walls	Raft Foundation

Other Structures:

1. **VUP** : 8 nos. – 12.0x5.5 mtr
2. **Box Culvert** : 34 nos. – 2.0x1.5 to 3.0x3.5 mtr
3. **Pipe Culvert** : 27 nos. – 1x1.00 mtr
4. **FOB** : 9 nos. - 2x30 mtr

Sr.No	Name of Employer	Post Held	Project Name	Period		Assignment in the Project	Client of the Project	Remark
				From	To			
3.	M/S New India Structures Pvt Ltd.	Bridge Engineer	Construction of 6 Laning of Kundli- Manesar Expressway(Western Peripheral Expressway) *6Lane; Project Length: 135.6 Km; Project Cost: INR 1300 Crore, Client: HSIIDC*	June 2017	June2019	As Mentioned in Employment Record	HSIIDC	

Details of Structure:

1. **Major Bridge:** Length of 139m (Span Arrangement35+30+40+25) with Dech Slab over PSC Girder over cantilever diapharmPile.
2. **Major Bridge:** Length of 81m (Span Arrangement 24+24+24) with Dech Slab over PSC Girder.
3. **ROB:** Length of 106.25m (Span Arrangement: 35+26.75+35) with Dech slab over PSC girder over pier cap. Pile foundation
4. **Major Bridge:** Length of 89m (Span Arrangement 40+40) with Dech Slab over PSC Girder.
5. **Major Bridge:** Length of 99m (Span Arrangement: 30+30+30) with Dech slab over PSC girder over pier cap. Well foundation
6. **Major Bridge:** Length of 69m (Span Arrangement 30+30) with Dech Slab over PSC Girder.
7. **Major Bridge:** Length of 109m (Span Arrangement: 10+40+40+10) with Dech Solid slab/Dech slab over PSC girder overcantilever Pile foundation
8. Minor Bridge : Length of 49m (Span Arrangement: 10+25+10) with Solid slab/Dech slab over PSC girder over pier cap and shear walls
9. **Major Bridge:** Length of 139m (Span Arrangement 35+30+40+25) with Dech Slab over PSC Girder.
10. **Major Bridge:** Length of 114m (Span Arrangement 40+25+40) with Dech Slab over PSC Girder.

Responsible for reviewing the structural designs and working drawings and approving minor modifications as per site conditions. Review geotechnical investigation report hydrological investigation reports,,review of HFL, vertical clearance , formation level of roads, aprons etc. Responsible for construction supervision of new bridges & culverts,.approval of construction methodology and retrofitting methodology ensuring its proper implementations Supervision of open raft foundation , pile foundation, well foundation ensuring implementation of Quality Assurance Manuals and Systems , study and review of design drawings & rectifying mistakes ,, checking adequacy of proper form work & staging, BBS fabrication and placement of reinforcement, duct profile & placement of HT Strands for stressing in girder & segments , laying/ compacting of concrete including curing operations scrutinizing the reports, technical managerial controls of the bridge construction work. Testing of construction materials , pre stress materials and bearings , cube test etc. **Used International best practice and modern bridge construction technology while supervising the work viz., Precast Segmental, Balanced Cantilever Construction, Extradoses Bridge, Full Span Launching, and Incremental Launching. Design standards, technical specification** and proposed methodology which are to be adopted for the executing of works, review work programme and close monitoring of progress of works, reinforcement **checking,** shuttering & form work, rectify any apparent mistakes etc as per working drawings and as per specifications, checking **concrete mix designed,** preparation of bill of quantities, recording of measurement of works etc.

4.	M/S New India Structures Pvt Ltd.	Project Manager Structure	Four Laning of Chenani Nashri section of NH 1Afrom Km 89.00 to 130.00 including 9 Km Main Tunnel (2 lane) with parallel Escape Tunnel in the state of J & K *4- Lane; Project Length: 41 Km; Project Cost: INR 3720 Crore; Client: NHAI*	Feb 2015	June 2017	As Mentionedin Employment Record	NHAI	

Preparation of Quality Control and Assurance plan ,Environmental Management Plan, checking of construction records , documents & drawings checking of profiles & levels ,check on waterways & drainage system , check on erosion control measures , performing tests to confirm that the works meet the specifications checking of Gantries Formwork for main tunnel ,& Escape tunnel ,Ventilation
slab platform & carrier etc. Checking of BBS and monitoring its placement. Checking of Design mix of concrete, monitoring pouring of concrete ,its compaction and curing system Preparation of As Built Drawing...

5.	Simplex Infra Structures Ltd.	Bridge Engineer	Constriction of Bhubaneswar to Chandikhol CH-3 + 000 to Ch. 21 + 000 of NH-5 Lane 6 laning road project. cost 1800 Client NHAI	01/07 /2012	31/01/2015		NHAI

Details of Structure:

1. **Major Bridge Rasulgarh Flyover** Length of 465 (Span Arrangement: *15 X 25 mtr + 3 X 30 mtr*) *Deck Slab with PSC Pre-cast girder over Pier cap & pier.*
2. **Major Bridge**: Kuakhai river bridge Length of *517* m(Span Arrangement15 X 32.30 + 2 X 16.2) with *Deck Slab with PSCPre-cast girder over Pier cap & pier. Repair & Rehabilitation*
3. **Major Bridge**: *Phulnakhara flyover* Length of *180* m (Span Arrangement *6 X 25 + 1 X 30*) with *Deck Slab with PSC Pre-castgirder over Pier cap & pier.*
4. **Major Bridge**: *Kathajori river bridge* Length of *800* m(Span Arrangement *16 X 48.4 + 2 X 12.5*) with *Segment over Pier cap& Pier Repair & Rehablitation*
5. **Major Bridge** *Puri Canal bridge Length 60m Span arrangement 6x10 Repair & Rehablitation*

Responsible for reviewing the structural designs and working drawings and approving minor modifications as per site conditions. Review geotechnical investigation report hydrological investigation reports,,review of HFL, vertical clearance , formation level of roads, aprons etc. Responsible for construction supervision of new bridges & culverts as well as rehabilitation and repair works of old existing structures .approval of construction methodology and retrofitting methodology ensuring its proper implementations Supervision of open raft foundation , pile foundation, well foundation ensuring implementation of Quality Assurance Manuals and Systems , study and review of design drawings & rectifying mistakes ,, checking adequacy of proper form work & staging, BBS fabrication and placement of reinforcement, duct profile & placement of HT Strands for stressing in girder & segments , laying/ compacting of concrete including curing operations scrutinizing the reports, technical managerial controls of the bridge construction work. Testing of construction materials, pre stress materials and bearings, cube test etc. **Familiar with modern methods of construction of bridges, design standards technical specification, International best practices of modern bridge and statistical Quality control / Assurance procedures for consideration of different component of bridges, preparation of working drawings** and proposed methodology which are to be adopted for the executing of works, review work programme and close monitoring of progress of works, reinforcement **checking,** shuttering & form work, rectify any apparent mistakes etc as per working drawings and as per specifications, checking **concrete mix designed,** preparation of bill of quantities, recording of measurement of works etc.

6.	DSC Ltd., Gurgaon, Haryana	Bridge Engineer	Construction of KMP – Expressway (4/6 laning access controlled New Alignment from Km. 0.000 to Km,135.600). 4/*6-Lane; Project Length: 135.600 km. Project Cost: INR 1300 Crore; Client: HSIIDC;.*	09/01 /2007	29/6/2012	As Mentionedin Employment Record	*HSIIDC*	

Details of Structure:
Major Bridge (ROB): Length of *252*m (Span Arrangement: *7 X 36.0m*) with *Deck slab with PSC Pre-cast Girder over pier cap & pier, Pile.*
Major Bridge (ROB): Length of 144m (Span Arrangement: *4 X 36.0*) with *Deck slab with PSC Pre-cast Girder over pier cap & pier, Pile.*
Major Bridge (UPMS): Length of 144m (Span Arrangement: 4x36m) with *Deck slab with PSC Pre-cast Girder over pier cap & pier, Pile.*
Major Bridge (Flyover): Length of 148m (Span Arrangement: 4x37m) with Pile Foundation, PSC girder, RCC slab.
Major Bridge (GS): Length of 220m (Span Arrangement: 2x32.0+4x39.0m with Pile Foundation, PSC girder, RCC slab.

Responsible for understanding the design provisions of bridges and culverts with modifications in design wherever required during execution as per site conditions. Guiding & checking of reinforcement /cable laying operations, checking & controlling the proper mix designs, checking the adequacy of proper form-work, laying / compacting of concrete including curing operations. Checking & testing of pre-stressed materials & Bearings in close coordination with the Material Engineer and the other experts to control the quality of execution. Approval of construction mobiization program , Environmental Management plan and other construction documents and the construction methodology. Review working drawing or modify the existing drawing or supply a new / supplementary drawing which is not included in the contract

7.	Madhucon Projects Ltd.	Project Manager (Bridges)	NH-57 (Widening & Strengthening of Darbhabga – Forbisganj Section 2 lane to 4 lane. *Lane 4 Length 107km project cost 1200cr client NHAI*	15/09 6/2004	31/12/20 06	As Mentionedin Employme nt Record	NHAI	

Details of Structure: **80** (Span Arrangement: 2 X 25.0 Mtr + 1 X 30.0) with Deck slab with PSC Pre-cast Girder over pier cap & pier.

responsible for layout foundation, Identification and carryout minor design modification as per site condition, construction & monitoring of foundation, piers, pier cap, abutment, bearings, deck slabs and approach slab, stressing operations for pre-stress concrete girders, checking bar bending schedule, staging and form work details as per GFC drawings, checking of mix design of concrete for bridges and bituminous mixes for pavement, preparation and checking of running bills, site progress report and documentation of all works of structural at site, liaison with consultant & client.

Also responsible for compliance with approved work program and project specification, making arrangement for men and machineries and their optimum utilization etc. Also familiar with modern method of construction of bridges, design standards, technical specification, International best practices of modern bridge and Statistical Quality Control/ Assurance procedure for consideration of different component of bridges.. **Familiar with understanding of International best practices of modern bridge for construction technology. viz., Precast Segmental, Balanced Cantilever Construction, Extradoses Bridge, Full Span Launching, And Incremental Launching.**

8.	Gautam construction & developers Pvt. Ltd	Assist. bridge engineer	Construction of bridges in East Singhbhumi Dist. In the state of Jharkhand	Sept 2001	Sept 2004	As Mentionedin Employment Record	PWD Jharkhand	PPP Mode

Details of Structure:

1. **5 Minor Bridge**: Length of 25m (Span Arrangement: 1x25m) with Open Foundation, RCC Girder.

ABE , responsible for layout of foundation of structures & bridges,identify & carryout minor design modifications as per site conditions . Monitoring the construction of sub structures & super structures , slabs & deck slabs . Placement of bearings , stressing operation of pre – stress concrete girders, checking BBS, staging & form works, details of GFC drawings , checking of mix design of concrete for structures & bridges and bituminous mixes for pavement. Preparation & checking of running billc , site progress reports and all necessary documents for structure at site. Liaison with consultants & client with responsibilities for compliance with approved work program and specification., making arrangement for men & machineries and their optimum utilization etc .

9.	Gautam construction & developers Pvt. Ltd	Assist. bridge engineer	Construction of 2-Lane REO Roads & I/C Bridges & culverts in Jharkhand & Bihar.	Jan 1999	Aug 2001		Govt of Jharkhan & Bihar	

Details of Structure:

1. **Minor Bridge**: 4 nos Length of 15m (Span Arrangement: 1x15m) with Open Foundation, Solid slab.
2.

As Sr Engineer / ABE , responsible for layout of foundation of structures & bridges,identify & carryout minor design modifications as per site conditions . Monitoring the construction of sub structures & super structures , slabs & deck slabs . placement of bearings , stressing operation of pre – stress concrete girders, checking BBS, staging & form works, details of GFC drawings , checking of mix design of concrete for structures & bridges and bituminous mixes for pavement. Preparation & checking of running billc , site progress reports and all necessary documents for structure at site. Liaison with consultants & client with responsibilities for compliance with approved work program and specification. Making arrangement for men & machineries and their optimum utilization etc...

10.	Gautam construction & developers Pvt. Ltd	Assist. bridge engineer	Construction 2 Lane Minor bridge at NH-80 near Ghogha, Kahalgaon, Bihar.	Mar 1997	Jan 1999	As Mentionedin Employment Record	PWD Bihar	

1. **Minor Bridge**: Length of 27m (Span Arrangement: 1x27m) with Open Foundation, RCC Girder.

Responsible for Execution of detailed project report including checking and review of design & drawings of Structures and analysis of condition of existing bridges. Checking the detailed engineering design and working drawings prepared for the construction of various components of the highway, bridges / structures, analysis of rates, estimates, and reports and perform minor modification in design quality whenever required during execution. Alignment studies, contribute in the formulation of design standards for road/ structural sections and embankments. Checking the adequacy of proper formwork, laying / compacting of concrete including curing operations. Supervise the work as per technical specification and Contract Agreement. Coordinate with the design team in the production of design drawings, if there are any major structural changes. Assist the Team Leader in various activities and in the preparation of various reports for submission to the Client. Supervision of all works in compliance with technical specifications / standards and using international best practices of modern construction techniques**.**

11.	*Gautam construction & developers Pvt. Ltd*	Sr Engineer	*1. PQC Road & Culverts in Police line Complex Chatra, Jharkhand.*	Sept 1992	Feb 1997	As Mentioned	
			2. PQC Road & Culverts in India Reserve Battalin Complex at Jamtara, Jharkhand. *3. PQC Road & Culverts in Collector ate BuildingJamtara, Jharkhand.* *4. PQC Road & Culverts in Institutional & Hospital Buildings in Bihar & Jharkhand.* *5. PQC Road & Culverts in Development of Gautam Green City at Ranchi.* *Sports Complex at Kankerbagh, Patna.*			In Employment Record	
12.	Kalyanpur Cement Ltd , Rohtas , Bihar,	*Asst. Engineer/ Structure Engineer*	*Supervision of Internal PQC Roads,Pipelines , Box Culverts ,Bunkers & Silos, Conveyor line Foundations,* *Cable Tunnels , Junction House &* *Other Buildings*	*Apr 1987*	*Aug 1992*	As Mentionedin Employment Record	