

## CURRICULUM VITAE (CV)

2. **NAME** : Rajiv Kumar Tyagi
3. **DATE OF BIRTH** : 02/07/1958
4. **NATIONALITY** : Indian
5. **EDUCATION** : B.Tech IIT BhU, Civil Engineering 1980  
M.Tech IIT Delhi, Structures 1982
6. **OTHER TRAINING** : •  
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7. **LANGUAGE & DEGREE OF PROFICIENCY** :  

	<b>Speak</b>	<b>Read</b>	<b>Write</b>
<b>English</b>	Excellent	Excellent	Excellent
<b>Hindi</b>	Excellent	Excellent	Excellent
8. **MEMBERSHIP IN PROFESSIONAL SOCIETIES** : Life Fellow, Institution of Permanent Way Engineers.
9. **COUNTRIES OF WORK EXPERIENCE** : India
10. **EMPLOYMENT RECORD** :

Sn	From	Employer	Position
1	1983	Indian Railway	IRSE Probationer
2	1986	do	Assistant Engineer, Brahamputra Bridge Project, Tezpur
3	1987	do	Executive Engineer, Brahamputra Bridge Project, Tezpur
4	1988	do	Divisional Engineer, Alipurdwara Division, NF Rly
5	1989	do	Deputy Chief Engineer, Bridges, NF Rly
6	1993	do	Deputy Chief Vigilance Officer, NF Rly
7	1995	do	Director, Bridge and Structures, RDSO
8	1998	Ministry of Civil aviation	Deputy Commissioner, Railway Safety, Commission of Railway Safety
9	2002	Indian Railway	Chief Engineer, Track Renewals, South Eastern Railway
10	2002	RITES	General Manager, Projects
11	2007	do	Group General Manager,

			<b>Projects</b>
12	2013	do	<b>Group General Manger, Railway Projects</b>
13	2014	do	<b>Executive Director, Railway Infrastructure</b>
14	2015 till superannuation in August 2018	do	<b>Executive Director, Business Development</b>
15	Nov 2018 to Jan 2019	Systra	<b>Project Director for planning and designing a 550 km semi high speed railway corridor from Thiruvananthapuram to Kasargod in Kerala</b>

<b>11.</b>	<b>Experience</b>
	<p><b>Name of Project: Brahamputra Bridge Project</b>  <b>Year: 1986</b>  <b>Location: Tezpur, Assam</b>  <b>Client: N F Railway</b>  <b>Position held: Assistant Engineer</b>  <b>Activities performed: In-charge of planning and construction of substructure of the bridge</b></p>
	<p><b>Name of Project: Brahamputra Bridge Project</b>  <b>Year: 1987</b>  <b>Location: Tezpur, Assam</b>  <b>Client: N F Railway</b>  <b>Position held: Executive Engineer</b>  <b>Activities performed: In-charge of planning and construction of complete bridge.</b></p>
	<p><b>Name of Project: Working of a railway system</b>  <b>Year: 1988</b>  <b>Location: Alipurdwar, West Bengal</b>  <b>Client: N F Railway</b>  <b>Position Held: Divisional Engineer</b>  <b>Activities performed: Maintenance of track and bridges in the jurisdiction. Maintenance of offices and buildings. Renewals of tracks. Rebuilding of old and distressed bridges. Restoration of lines affected from breaches, landslides and accidents.</b></p>
	<p><b>Name of Project: Working of a railway system</b>  <b>Year: 1989</b>  <b>Location: Maligaon, Guwahati, Assam</b>  <b>Client: N F Railway</b>  <b>Position Held: Executive Engineer, Concrete Sleepers</b>  <b>Activities performed: Supervising production of concrete sleepers.</b></p>
	<p><b>Name of Project: Working of a railway system</b>  <b>Year: 1989</b>  <b>Location: Maligaon, Guwahati, Assam</b>  <b>Client: N F Railway</b>  <b>Position held: Deputy Chief Engineer, Bridge Design, NF Rly</b></p>

	<p><b>Activities performed:</b> Monitoring health of bridges; Planning, rehabilitation and rebuilding of bridges; and Designing, approving and monitoring of bridge works. Monitoring Railway Affecting Works in the entire stretch of the railway covering many states.</p>
	<p><b>Name of Project:</b> Management of a railway system  <b>Year:</b> 1993  <b>Location:</b> Maligaon, Guwahati, Assam  <b>Client:</b> N F Railway  <b>Position held:</b> Deputy Chief Vigilance Officer  <b>Activities performed:</b> In charge of engineering, signalling, mechanical and electrical departments of both open line and construction organisation. Preventive checks of works, systems and procedures. Looking into complaints.</p>
	<p><b>Name of Project:</b> Research  <b>Year:</b> 1995  <b>Location:</b> Lucknow, Uttar Pradesh  <b>Client:</b> Research, Design and Standards Organisation. (RDSO)  <b>Position held:</b> Director, Bridge and Structures  <b>Activities performed:</b> Research and testing of bridges and bridge components. Computing residual fatigue life of Early steel superstructures on Indian Railways. Studying and standardising transmission of longitudinal forces on bearings and substructure. Carrying out lab and field trials on High Strength Friction Grip bolts. Introducing Acoustic Emission Technology for condition assessment of bridges. Introducing Vibration Signature Technology for condition assessment of bridges. Upgrading laboratory for condition assessment of concrete structures.</p>
	<p><b>Name of Project:</b> Statutory safety management of Indian Railway  <b>Year:</b> 1998  <b>Location:</b> Lucknow, Uttar Pradesh  <b>Client:</b> Commission of Railway Safety  <b>Position held:</b> Deputy Commissioner of Railway Safety (General)  <b>Activities performed:</b> Assisting Chief Commissioner of railway safety in examining suitability of running new rolling stock on bridges, examining design and condition of new bridges before opening of new lines on Indian Railway, inspecting new lines before opening, enquiring into accidents, sanctioning condonation to SOD</p>
	<p><b>Name of Project:</b> Working of a railway system  <b>Year:</b> 2002  <b>Location:</b> Garden Reach, Kolkatta, West Bengal  <b>Client:</b> South Eastern Railway  <b>Position held:</b> Chief Engineer, Track Renewals  <b>Activities performed:</b> Planning, estimating and monitoring track renewals on the railway.</p>
	<p><b>Name of Project:</b> Project Management Consultancy Services  <b>Year:</b> 2002  <b>Location:</b> Lucknow, Uttar Pradesh  <b>Client:</b> NCL, UPSEB, NTPC, BPCL, Northern Railway, UP Government  <b>Position Held:</b> General Manager Projects and Group General</p>

	<p><b>Manger, Projects</b>  <b>Activities performed: Planning, designing and construction of railway projects. It covered the entire gamut of activities i.e. Topographical Survey, Geo tech investigations, Feasibility reports, DPRs, Detailed engineering, tendering and inspection of works</b></p>
	<p><b>Name of Project: Consultancy Services</b>  <b>Year: 2013</b>  <b>Location: Gurgaon</b>  <b>Client: RITES</b>  <b>Position held: Group General Manager, Railway Projects</b></p> <p><b>Activities performed: Providing oversight on all field units. Inspection of works.</b></p>
	<p><b>Year 2014</b>  <b>Activities Performed – Providing oversight to units designing Bridges, tunnels, Signalling Systems, Survey, Geo tech investigations and Traffic &amp; Economic studies.</b></p>
	<p><b>Year 2018</b>  <b>Activities performed-Project Director of GC team to Kerala Rail Development Corporation (KRDCL)</b>  <b>Providing leadership to the team for preparing feasibility and Detailed Project Reports</b></p>