

## Curriculum Vitae (CV)

1. **Name and full correspondence address** Aman Srivastava,
2. **Designation** Scientist-C
3. **Institution** CSIR-Central Road Research Institute, New Delhi-110025
4. **Address** First Floor Room No.-16, Bridge Engineering and Structures Division, CSIR-Central Road Research Institute, New Delhi-110025
5. **Email(s) and contact number(s)** Email id: [aman.crri@csir.res.in](mailto:aman.crri@csir.res.in); [srivastavaa684@gmail.com](mailto:srivastavaa684@gmail.com); [asrivastava@eq.iitr.ac.in](mailto:asrivastava@eq.iitr.ac.in)  
Contact No.- +91-9891195502
6. **Areas of Interest**
  - Seismic Response of Bridge Pier, Well Foundation, Abutment
  - Soil-slope-structure Interaction of Bridges
  - Non-linear Time History Analysis (NLTHA)



### 7. Academic Qualification

	Degree	Year	Subject	University/Institution	% of marks
1.	Ph.D.	2025	Structural Dynamics	IIT Roorkee	9.077 (CGPA)
2.	M.Tech.	2019	Structural Dynamics	IIT Roorkee	8.271 (CGPA)
3.	B.Tech.	2017	Civil Engineering	Dr. APJ Abdul Kalam Technical University, Lucknow	79.86

### 8. Ph.D thesis title.

“SEISMIC PERFORMANCE EVALUATION OF BRIDGE ABUTMENTS AND WELLS SUPPORTING PIERS IN FLAT AND HILLY TERRAINS”

**Supervisors:** 1) Prof. Yogendra Singh, Earthquake Engineering Department, IIT Roorkee  
2) Prof. Subhamoy Bhattacharya, University of Surrey, United Kingdom

## 9. Work experience

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Research Associate	IIT Roorkee	12/07/2019	11/07/2020	INR 50,000
2.	Scientist	CSIR-CRRI, New Delhi	10/11/2025	till date	67,000 (Level 11)
3.	Assistant Professor (Honorary)	AcSIR, Ghaziabad	28/03/206	till date	-

## 10. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1.	Smt. Chandrakanta Academic Excellence Award	Dr. APJ Abdul Kalam Technical University, Lucknow	2014

## 11. Publications

S.No.	Author(s)	Title	Name of	Volum	Page	Year
1.	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	Dynamic Response and Seismic Fragility Analysis of a Bridge Abutment Located on Flat and Sloping Grounds Designed using Code-based Procedure	Canadian Geotechnical Journal (I.F. 3.6)	In press	In press	2026
2..	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	Dynamic response and seismic fragility of a well foundation supporting bridge pier when located on flat and sloping grounds	Soil Dynamics and Earthquake Engineering (I.F. 5.1)	204	110166	2026
3.	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	Structural Design of Well Foundations on Slopes for Static and Seismic Conditions considering <i>V-H-M</i> Interaction	International Journal of Geomechanics, ASCE (I.F. 3.4)	26	04025374	2025
4.	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	Geotechnical Capacity of Bridge Abutments Located on $C-\Phi$ Soil Slopes Under Combined Gravity and Seismic Loading	Journal of Earthquake Engineering (I.F. 2.7)	30	914-935	2025
5.	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	<i>V-H-M</i> Capacity Envelopes for Well Foundations on Slopes under Gravity and Seismic Conditions	International Journal of Geomechanics, ASCE (I.F. 3.4)	25	04025071	2025
6.	Aman Srivastava, Yogendra Singh and Subhamoy Bhattacharya	<i>V-H-M</i> Capacity of Well Foundations under Gravity and Seismic Loading	Bulletin of Earthquake Engineering (I.F. 4.2)	23	643-670	2024

## 12. Books/Reports/Chapters/General articles.

S.No	Title	Author's Name	Publisher	Year of Publication
1.	Effect of seismic loading on $V$ - $H$ - $M$ capacity of well foundation	<b>Aman Srivastava</b> and Yogendra Singh	Japanese Geotechnical Society Special Publication	2024
2.	Seismic Earth Pressure Coefficients for Vertical Wall Using Force–Displacement Curves	<b>Aman Srivastava</b> , Dhiraj Raj and Yogendra Singh	Springer (Lecture Notes in Civil Engineering)	2021
3.	Effect of Backfill on Seismic Fragility of a Bridge Abutment	<b>Aman Srivastava</b> , Dhiraj Raj and Yogendra Singh	18 <sup>th</sup> World Conference on Earthquake Engineering	2024
4.	Displacement-based Seismic Design of Retaining Walls	<b>Aman Srivastava</b> , Dhiraj Raj and Yogendra Singh	Indian Geotechnical Conference 2023	2023

## 13. Research Projects

1. Evaluation of Response Reduction (R Factor) for RC Piers Designed as per Indian Codes (In-House R&D Project (OLP 0680)) - **As Project Leader**
2. Integrated Experimental, Numerical and AI-Based Studies for Seismic Performance Evaluation and Health Assessment of Steel and Fiber Reinforced Bridges (ULIP Project (MLP 0002614)) - **As Co-WPL and Task Leader**
3. Assessment of Influence of Soil-Foundation-Structure Interaction on Seismic Performance of Bridges (In-House R&D Project (OLP 0678)) - **As Co- Project Leader**
4. Analytical and Experimental Investigation on the Structural Behavior of High Skew slab bridge after rehabilitation (In-House R&D Project (OLP 0644)) - **As Team Member**
5. Flexural Performance of Glass Fibre Reinforced Polymer Beams with and Without Discrete Glass Fibre Reinforced Concrete (GFRC) (In-House R&D Project (OLP 0681)) - **As Team Member**
6. Perspective-corrected machine learning framework for crack induced distress assessment in bridges (RDSF Project (RDS – 000015)) - **As Team Member**

## 14. Consultancy Projects

1. Conditions Assessment and Suggestions for Remedial Measures of Major and Minor Bridges of Odisha Road Network using Modern Test Procedures of Bridges under Public Works Department, Govt. of Odisha, in the State of Odisha (SSP 4733) - **As Co- Project Leader**
2. Technical Report on the Feasibility Assessment of Structural Types in the Ramban-Banihal Hilly Region, Jammu & Kashmir (CNP 3053) - **As Co- Project Leader**
3. Third Party Quality Audit of Structures during construction period of 4-laning of Behsuma-Bijnor section of NH-119 (New NH-34) from Design Ch. 39.250 km to Ch. 78.810 km (39.56km) in the state of Uttar Pradesh on Hybrid Annuity Mode under Bharatmala Pariyojna (SSP 4805) - **As Team Member**
4. Comprehensive Condition Assessment and Remedial Strategies for Six Lane Partial Access Controlled Eastern Peripheral Expressway (NE2), Packages I to VI, starting from Kundli (1.00 KM) to Palwal (136.00 KM) (SSP 4813) - **As Team Member**
5. Structural Audit of the Elevated Portion of the Gurgaon-Pataudi-Rewari Section of NH-352W in the State of Haryana under Bharatmala Pariyojana (SSP 4828) - **As Team Member**

6. Design and Drawings of Proposed Long Span bridge over river Yamuna at Downstream of Lakhwar Dam (SSP 4835) - **As Team Member**
7. Third Party Structural Audit of ongoing Construction of Greenfield Connectivity to Jewar International Airport from DND-Faridabad-Ballabgarh Bypass KMP Link-Spur to Delhi Mumbai Expressway in the State of UP and Haryana (from Km. 0+000 to Km. 31+425) (SSP 4836) - **As Team Member**
8. Structural audit of six laning work from Saharanpur Bypass to Ganeshpur section of Delhi-Dehradun Economic Corridor under Bharatmala Phase-1 (CNP-3020) - **As Team Member**
9. Review of Design Progress Report (DPR) under NRIDA (CNP 2912) - **As Team Member**
10. Structural Audit of the Elevated Portion of the Six-lane Access Controlled Highway from DND Maharani Bagh to Junction with Jaitpur-Pushta Road section of NH-148NA (Design Ch 0+000 to Ch 9+00) in National Capital Territory on Hybrid Annuity Mode under Bharatmala Pariyojana (CNP 4792) - **As Team Member**
11. Structural investigation and recommendations for repair/rehabilitation/strengthening strategies for three distressed VUPs located on Rajgarh Bypass and Pilani Bypass of NH-709 at km 5+100, km 36+150 and km 40+595 (CNP 3054) - **As Team Member**