



**Dr. Ashish Kumar Parashar**

**Centre/School/Special Centre SOS, Engineering & Technology**

**Department: Civil Engineering**

**Phone: 9425502572**

**Email:aparashar08@gmail.com**

**Personal Webpage Link:**

**Qualifications:** B. Tech., M. Tech., Ph. D.

**Area of Interest/Specialization:** Civil Engineering, Water Resources Engineering, Earthquake Engineering, Fluid Mechanics

**Experience:** 19 Years

**Awards and Honors:**

1. Certificate of Appreciation from Govt. of Chhattisgarh for Structure Design of village Pipalia, Rajkot Gujarat, which was divested by Earthquake dated 26 Jan.2001.
2. Institutional Best Engineer Award for New Govt. Engineering College Raipur
3. GSE Member-2007 [Group Study Exchange] Visit Brazil for one month [14 May-13 June 2007] to study the Vocational & Culture Exchange.

**International Collaboration/Consultancy:**

**Internal Consultancy Work [Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)]**

[Structural Design / Vetting for Building Project Work Total Estimated Cost=71.74 Cr]

- Department of Forestry, Department of Rural Technology and Workshop Building under

Institute of Technology- Estimated Cost -789 Lakh

- University' Guest House - Estimated Cost -692 Lakh
- Cafeteria - Estimated Cost -272 Lakh
- Academic Staff College' Guest House - Estimated Cost -119 Lakh
- Accelerator Hall - Estimated Cost -626 Lakh
- Department of Zoology and Department of Chemistry - Estimated Cost -2585 Lakh
- Department of Physics- Estimated Cost -93 Lakh
- Primary Health Centre - Estimated Cost -62 Lakh
- Boys Hostel (2 Buildings.) - Estimated Cost -1471 Lakh
- Physics Extension Block - Estimated Cost -432 Lakh
- Department of Forestry Extension (Hall and Porch) - Estimated Cost - 33 Lakh

### **External Consultancy Work**

- Checking of Structural Design of Integrated Housing for Slum Development Program  
“IHSDP” of Floors G+2, Area=821.82 m<sup>2</sup> of Nagar Palika Nigam, Bilaspur C.G –22  
Projects
- Checking of Structural Design of construction of houses under Basic Service for Urban  
Poor “BSUP” of Floors G+3, Area=1102.36 m<sup>2</sup> of Nagar Palika Nigam Raipur, C.G. - 5  
Projects
- Checking of Structural Design of construction of 450 KL [1Lakh Gallon] Capacity RCC  
Over- Head tank on 15 M Staging & construction of 227 KL[50,000 Gallon] Capacity of

Sump Well at Charoda, Durg, C.G. → Checking of Structural Design of construction of Medium Bridge in between Sakti to Bagbudwa, Bilaspur C.G.

- G+2 storied building, total 24DU's, at Bartarai Project, Near SECL Office, Bsp, under, "I.H.S.D.P., Group-I, 528 unit (24-22 block) by the Nagar Palik Nigam, Bilaspur, vide work order no 937/BMC/plan.-admn. /2013-14, Bsp. Dtd. 19-9-13 -Estimated Cost - 50.89 Lakh
- G+2 storied building, total 24DU's, at Khamtari, Near Govt. Engg. College, Koni, Bsp. under "I.H.S.D.P., Group-I, 528 units (24-22 block) Nagar Palik Nigam, Bilaspur, vide work order no 930/BMC/plan.-admn. /2013-14, Bsp. Dtd. 19-09-13 -Estimated Cost - 50.89 Lakh
- G+2 storied building, total 24DU's, under 'I.H.S.D.P.', Group-Z-7, 120 units (24-5 block) House Construction, by the Nagar Palik Nigam, Bilaspur, vide work order of BMC no 755/BMC/plan, admn. /2013-14, Bsp. Dtd. 13-5-13 -Estimated Cost -50.89 Lakh
- G+2 storied building, total 24DU's, under, 'I.H.S.D.P.,Group-VII, 48 unit (24-2 block) by the Nagar Palik Nigam, Bilaspur, vide work order of BMC no 769/BMC/plan.-admn. /2013-14, Bsp. Dtd. 17-5- 13. Estimated Cost -50.89 Lakh
- G+2 storied building, total 24DU's under, 'I.H.S.D.P.',Group-Z-IV, 120 units (24-5 block) by the Nagar Palik Nigam, Bilaspur,vide work order of BMC no 762/BMC/plan.-admn. /2013-14, Bsp. Dtd. 13-5-13. Estimated Cost -50.89 Lakh
- G+2 storied building, total 36 DU's, for only one Block, under, 'I.H.S.D.P.' Group-8, 36 unit (36-1 block) by the Nagar Palik Nigam, Bilaspur, (C.G.) vide work order of BMC no

783/BMC/plan, admn./2013-14, Bsp. Dtd. 17-05-13 - Estimated Cost -76.39 Lakh [Each block]

- G+2 storied building, total 24 DU's, vetted for only one Block, under,'I.H.S.D.P.', Group-3, 264 units (24-11 block) by the Nagar Palik Nigam, Bilaspur, (C.G.) vide work order of BMC no 1068/BMC/plan, admn./2013-14, Bsp. Dtd. 30-11-13 - Estimated Cost - 50.89 Lakh
- H.L. Bridge across Champa Nalla, on Ambikapur-Gangapur Road - Estimated Cost 104.33 Lakh [\*Above Mentioned Consultancy (Internal and External) work, were carried out in association with other faculty members of Civil Engg. Dept., I.T.]

### **List of Publications:**

#### **Journals**

1. Parashar, A.K., “The Vital Role of Fly-Ash in Global Infrastructure Development.” Indian Building Congress Mid Term Session, “GREEN BUILDINGS” P.W.D. Govt. of Chhattisgarh.
2. Sahu, C.R., Tripathi, R. K., Verma, M. K. and Parashar, A.K. (2006), “Assessment of Seismic Hazard at Tandula Dam and Balar Dam using DSHA in Chhattisgarh State”, Jr. of Structural Engineering, Chennai.
3. Parashar, A.K., Parashar, R. (2012), “Innovations and Curriculum Development for Engineering Education and Research in India”, International Conference on Teaching and Learning in Higher Education (ICTLHE 2012) in conjunction with RCEE & RHED 2012 Procedia - Social and Behavioral Sciences 56 (2012) 685 – 690.

4. Parashar, A.K., Parashar, R. (2012), "Environmental Impact Assessment of Water Quality of Major Ponds of Raipur City", Acta Technica Napocensis: Civil Engineering & Architecture Volume 55, No. 1, Received 13 July 2012; Accepted 16 August 2012,p.p. 61-70.
5. Parashar, A.K. (2015), "Seismic Hazard Analysis for Sikaser Dam of Chhattisgarh State (India)", Asian Resonance, Volume 4, No.1, p.p. 5-9.
6. Parashar, A. K. (2015), "Sewage Quality Assessment of Various Places in Bilaspur City", Int. J. of Sustainable Water & Environmental Systems, Volume 7, No. 2, p.p. 97-104
7. Parashar,A.K., Atmapoojya S.L., Rathore S.S. (2016), "Deterministic Seismic Hazard Analysis of Ambikapur district headquarter of Chhattisgarh State [India]", Malaysian Journal of Civil Engineering, Vol. 28, Issue -2, p.p.315-326.
8. Parashar,A.K., Atmapoojya S.L., Rathore S.S. (2017), "Seismic Hazard Analysis for Raipur Region", International Journal of Engineering Technology, Management and Applied Sciences, Volume 5, Issue 4 ,p.p. 449-460.
9. Parashar,A.K., Atmapoojya S.L., Rathore S.S. (2018), "Probabilistic seismic hazard assessment of tribal district headquarter Dantewara of Chhattisgarh state (India)", MOJ Civil Engineering, Vol. 4, Issue -1, p.p. 9-13.
10. Parashar,A.K. and Atmapoojya S.L. (2021), "Probabilistic Seismic Hazards Analysis of Ambikapur Chhattisgarh (India)", International Journal of Emerging Trends in

Engineering Research , Vol. 9, Issue-2, p.p. 84-91.

11. Parashar, A.K. (2022) “Seismic ground motion assessment around Durg region of Chhattisgarh (INDIA)”, Stochastic Modeling& Applications, Vol. 26, Issue 3, p. p. 359-369.
12. Parashar, A.K., Atmapoojya, S.L. (2022), “Earthquake Natural Hazard over Major Dams of Chhattisgarh State”, Indian Journal of Natural Sciences, p.p. 46817-46831.
13. Parashar, A.K. (2022), “Seismic hazard assessment and significance of ground motion prediction equations: a deterministic approach”, Asian Journal of Civil Engineering, Vol.23, Issue 8.

### **Conference Proceedings**

1. Parashar, A. K., In 1st Chhattisgarh Young Scientist Congress, Yr's. 2002-2003  
“Experimental Investigation of Scouring Patterns under Free Falling Jet for Application In Design of Bridge”
2. Parashar, A.K., Verma M.K. “Disaster Management and its Mitigation” National conference on Recent Advances & Trends in Civil Engineering. B.I.T., Durg (C.G.)
3. Shastri, S, and Parashar, A.K., “Industry Institute Linkage-The Hand Shake Policy.” Dept. of Technical Education & Manpower Planning Govt. of Chhattisgarh.
4. Parashar, R., Parashar, A.K., “Affordable Housing for all- An Indian Overview” National Paper Published in International Conference: Seminar on Urban Dynamics and Planning-2032, Luck now, p.p. 58-61

### **Recent Books/Book Chapters/Monographs etc.**

1. Deterministic Seismic Hazard Assessment for Major District Headquarters of Chhattisgarh State (India) Series: Horizons in Earth Science Research, Nova Science Publication BISAC: SCI019000, DOI: <https://doi.org/10.52305/BKJH7104>, 28-Jan-2022
2. Seismic Hazard Assessment of Tribal District Headquarter Dantewara of Chhattisgarh State (India), B P Publication, ISBN: 978-93-5547-124-6, eBook ISBN: 978-93-5547-132-1, 26 October 2021
3. A Seismic Hazard Assessment of North Chhattisgarh (India), Natural Hazards - New Insights, DOI: 10.5772/intechopen.109490, 16 Jan 2023.

**Research Supervision:** 01 [Ph D is Ongoing]

### **Administrative Responsibilities:**

- Hold the position of Head, Civil Engineering Department, from 28-12-2021 to till date
- Chairman, BoS, Civil Engineering from 2021 to till date
- Chairman, DRC, Civil Engineering from 2021 to till date
- Member, Building Committee from 2021 to till date
- Nodal officer Gender Champion from 2016 to till date
- Member, DRC, Civil Engineering from 2021 to till date
- Worked as Member, BoS, Civil Engineering, during 2019-22
- Member of Proctorial Board [University Apex Body] - 2016-2019
- Member Anti Ragging Committee-School of Engineering and Technology between 2017-2019
- Nodal officer for Gender Champions from 2016
- V C Conference – Member of Transportation Committee -2012-13
- Member of Campus Pond Development Committee -2011-2013

- Member of Campus surface water flow and drainage system Committee-2011-2013 Member for Verification Committee for appointment of Sanitary Inspector-2013 Polling Officer- For University Students Election -2011
- Tech Fest Equilibrio-2013- Member for Bridge Construction Event
- Member of Discipline Committee-2012-13, 2017-18, 2019-20, 2020-21,2021-22
- Member of Training & Placement Committee-2011-12, 2012-13, 2013-14
- Member of Departmental Books /Journals Procurement Committee- 2011-19,
- Departmental Web site updating work- Recent Departmental Activities/ Faculties Information/Student Activities-2011-19

**Additional Information:**

**Doctor of Philosophy from Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**

Thesis title is “Seismic Hazard Analysis for All District Headquarters and all major Dams of Chhatisgarh”.

**Life Member:** Indian Society for Technical Education [ISTE]

Indian Society of Earthquake Engineering [ISEE]

Indian Society of Wind Engineering [ISWE]

**Member:** MI-The Institution of Engineer’s (India)

Chartered Engineer [India]

Indian Building Congress [IBC]