



1. Name : D C Sharma
2. Designation : Sr Principal Scientist, CSIR- CRRI, Mathura Road, New Delhi 1
dcs.crri@nic.in
3. Area of Interest : Measurement & Instrumentation, Electrical Power System, Computer system management
4. Educational Qualification :

Degree	Year of passing	University/Instt.	Subject	Div/Class/Grade
M.Tech. (Computer Sc & Technology)	1986	University of Roorkee, Roorkee	Computer Science & Technology	First Class
B.E.(Electrical Engg)	1984	University of Roorkee, Roorkee	Electrical Engineering	First Class

5. Professional Experience :

Grade/Post	From	To	Estt./lab/Institution
Sr Principal Scientist	1.4.2010	Contd.	Central Road Research Institute, New Delhi
Scientist EII	1.4.2003	31.3.2010	Central Road Research Institute, New Delhi
Scientist E1	1.4.1996	31.3.2003	Central Road Research Institute, New Delhi
Scientist C	1.4.1991	31.3.1996	Structural Engineering Research Centre, Ghaziabad
Scientist B	1.4.1987	31.3.1991	Structural Engineering Research Centre, Ghaziabad
Senior Res. Asstt.	11.11.86	31.3.1987	Structural Engineering Research Centre, Ghaziabad

			National Institute of Hydrology Roorkee
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6. Achievements :

a. Honours and awards :

- Merit scholarship during B.E (Electrical)
- UGC Fellowship during M.Tech
- Hony secretary, Ghaziabad Local Centre, IEI Ghaziabad
- Eminent scientist by Ghaziabad local centre

b. Research Projects :

- Vibration Monitoring of Old and New Mandovi Bridge, Goa
- Integrity study of 23-span Khalghat Bridge on Narmada River on Indore-Mumbai National Highway
- Technology for the Development for setting up of Industrial Wind Tunnel and 1/6 scale Model wind tunnel
- Study for aerodynamic stability for cable stayed bridge deck Research scheme B-25 MORTH
- Rational design specifications for wind resistant design of the country's bridges of normal span and guidelines for large span bridges Phase I, Part II for the MORTH.
- Aerodynamic studies of chimneys and Cooling towers of Gandhi Nagar, Thermal Power Station, Gujarat Elect. Board
- Wind tunnel investigation on 15m triangular tubular tower.
- Wind tunnel testing of Yamuna bridge model, Naini Allahabad
- Checking of design of guyed masts for Build con slim towers
- Assessment of status of concrete and reinforcement of RCC structure of IFFCO building and suggestions for remedial measures using NDT.
- Condition assessment of TG pedestals- unit-II of 120 MW Amar Kantak Thermal Power Station, Chachai, M.P.
- Investigations of existing tower structure for soundness and durability at DEAL, Dehra Dun.
- Non-destructive testing of building of HRD and ESI, Noida
- Condition survey of residential wards & RCC overhead tanks of Institute of Human Behaviour & Allied Science, Shahadra, Delhi.
- Evaluation of strength and durability of block C of Government Medical College & Hospital, Chandigarh.
- Evaluation of concrete quality of STG deck of 330MW Pragati Power Project
- Assessment of cracks of underground car parking basement of HUDCO place at Andrew Ganj, New Delhi.

- Quality Assurance and Field Instrumentation of 6 lane roadway bridge over Palam Drain at Dwarka, N Delhi
- Monitoring of long spans of Thane creek Road Bridge under superimposed live load
- Setting up & Management of equipment of various R & D laboratories including Instrumentation Lab., Dynamics Lab., Wind Engineering Lab. Etc
- Calibration of various R & D Equipments and systems of different divisions of CRRRI for obtaining ISO 9001 certification
- Investigations of damage to narora Turbine building subjected to high temperature
- Evaluation and monitoring of bridge NO.322A and No. 176A for increased axle loads for freight wagons.
- Evaluation of kali sindh bridge for increase in axle load of freight wagons on western railway routes.
- Up gradation of CISCO based LAN network of CSIR-CRRRI.
- Setting up of 11/0.44 KV substation at Maharani bagh residential campus II.
- Creation of expansion joint facility at CSIR-CRRRI, New Delhi
- Road inventorization and pavement condition survey on the selected stretches using vehicle mounted digital video system integrated with GPS.
- Zilog Z-80 based assemble
- Design and fabrication of Industrial Medium range pressure measuring Instrument.
- Setting up of a Computer centre
- Planning and design of 33 KV Substation
- Assessment of overall quality and detection of weak zones in the TG decks of Unit IV of NTPC, dadri.
- Aerodynamic studies of the chimneys of KLTP , Pandharao Kutch.
- Software development for IMPACT factor calculation to evaluate laboratory performance.
- Automatic continuous measurement of deflection basin under dual tyre assembly

c. Research Publications :

d. Membership of Professional bodies :

Fellow : Institution of Engineers (India)

Member, Computer Society of India

Member, G4 Mechanization and Instrumentation committee of Indian Road Congress

Member : Indian Society of Wind Engineering

Member: Indian Society of Continuing Education

e. Any other information :

Contribution in the following patents : Team member

- “An improved pullout device for assessment of strength of concrete”

- “Pothole repair machine”