

Profile:

## Sandipan Goswami



Sandipan Goswami received his bachelor's degree in Science from the University of Calcutta in 1978, bachelor's degree in civil engineering from the University of Calcutta in 1983 and master's degree in civil engineering (M.Tech), from Indian Institute of Technology - Kharagpur in 1985.

Over the span of 37 years he became well known for his technical contribution to the Academic Institutes, Project Authorities, engineering consultants and construction companies to make various Feasibility studies, DPRs and construction projects successful for various State and Central Government projects.

Sandipan Goswami was honored with titles 'Fellow of the Institution of Engineers' in India and Professional Engineer (PE) as Foreign Engineer, by Board of Engineers, Malaysia in 1997. He is life member of Indian Roads Congress (IRC) and is certified as 'Chartered Engineer' by the institution of engineers.

Sandipan Goswami has published the widely appreciated technical paper on "Project Development – Development of Rural Road Infrastructure, IRC" and many other technical and safety related articles in ResearchGate (Germany) and Academia (USA).

Sandipan Goswami pursued a career in transportation engineering. His areas of work include the reliability of the design for the construction of highway, tunnel, metro rails, airports, bridges as concrete and steel structures in the perspective of users' safety. He worked for the World Bank to review the DPRs and identifying the safety issues as well as the countermeasures for the road users. He was assigned to review of various DPRs, Design audit, Safety Audit for Highway, Bridges, and also worked as Road Network Specialist in various state highway projects assigned by 'The World Bank'.

Sandipan Goswami worked for different engineering companies as Halcrow, SNC Lavalin, Egis, Lea Associates, CES (Jacobs), Deloitte Touche Tohmatsu, Adani Road Transport Limited etc. He has participated in the lead roles in the design and construction of thousands of kilometers highways, hill roads, low cost rural roads, tunnels, bridges and structures in India, Malaysia and Bangladesh.

Sandipan Goswami worked as Team Leader of Independent Engineer in the construction of National Highway project, and as Team Leader of Authority Engineer in the construction of Access Controlled Nagpur - Mumbai Super Communication Expressway (Maharashtra Samruddhi Mahamarg) In the State of Maharashtra on EPC Mode for Package - 14, From KM. 623.379 to KM. 636.479 (Village Pimpri Sadroddin to Village Vashala Bk.), project of Maharashtra State Road Development Corporation Ltd. (MSRDC). This included NATM Drill and Blast Twin-Tube 6-Lane continuous Tunnel of length 7.74 km and PSC-Via-ducts at either end.

He reviewed the safety audit conducted by consultants. He also worked for institutional development, capacity building with e-governance, construction management for Govt. of Himachal Pradesh, funded by the World Bank.

Sandipan Goswami worked as Team Leader in the DPR State Highway Project, Package 19 on behalf of Consulting Engineering Services (I) Pvt. Ltd. (Presently Jacobs), worked as Team Leader in the Feasibility Studies for Six-Laning of NH 5, Vishakhapatnam to Anakapalli to Rajahmundry, Worked as Team Leader for detail engineering design for DPR of Ropar to Phagwara four lane highway (80 km approx.) In the state of Punjab, Punjab Infrastructure Development Board (PIDB), including three level ROB (highway-elevated bridge and underground tunnel, junction improvements etc.

Sandipan Goswami also worked as Team Leader in detail engineering design of 24 km long (approx.) expressway with six-Lane carriageway and about 10 km elevated section with at grade service roads in PPP model in Bangladesh and detail engineering design of 256 km long four-lane West Coast expressway in BOT model in Malaysia.

Sandipan Goswami also worked for Design and Build of various national and state highway projects, Bored Tunnel for Metro Rails projects, Airport Planning and Design projects etc. As Senior Design Engineer he for Vehicular Tunnels in Kuala Lumpur City Centre, Malaysia.

Sandipan Goswami studied various safety uses and developed countermeasures for traffic safety at road intersections, interchanges, roundabouts, high speed rural sections in state highway projects.

Sandipan Goswami delivered lectures as visiting faculty in National Institute for Training of Highway Engineers (NITHE, presently Indian Academy of Highway Engineers, IAHE), under Ministry of Road Transport and Highways, Govt. of India, at various IITs, NITs and other engineering universities. He conducted seminars, workshops and hand on practices on various types of Project Preparations for Highway, Railway, Bridge and Tunnel design for engineers who came from government departments of India, Africa etc.

Sandipan Goswami received the awards namely, i) Rashtriya Gaurav (National Pride) Award, ii) Managing Projects – A Systems Approach – this received Award from the CMD of NPCC), iii) Recipient of Millennium Achievers Gold Medal by International Institute of Success Awareness, iv) His contribution by conducting technical seminars with lectures and hands-on practice in highway and bridge engineering was honored by appreciation letter by National Institute for Training of Highway Engineers (NITHE, presently Indian Academy of Highway Engineers, IAHE), under Ministry of Road Transport and Highways, Govt. of India.

His popular books are:

1. Text Book 'Computer Aided Highway Engineering' published by Taylor and Francis, USA  
<https://www.taylorfrancis.com/books/mono/10.1201/9781003045830/computer-aided-highway-engineering-sandipan-goswami-pradip-sarkar> ISBN 978-0-367-49338-7

and

<https://www.routledge.com/Computer-Aided-Highway-Engineering/Goswami-Sarkar/p/book/9780367493387> ISBN 978-0-367-49338-7

2. Computer Aided Bridge Engineering (Detail Design of Pre-Stressed Concrete I-Girder / Box-Girder Bridges) By: Sandipan Goswami, Publisher: Nova Science Publishers

<https://novapublishers.com/shop/computer-aided-bridge-engineering-detail-design-of-pre-stressed-concrete-i-girder-box-girder-bridges/> ISBN 978-1-68507-413-5

3. Text Book 'Pavement Engineering – Design Construction and Maintenance' published by PHI (Prentice-Hall) Learning, ISBN 9789391818104

<https://www.phindia.com/Books/Author/OTc4OTM5MTgxODEwNA>

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