

PROFILE

A structural engineer with 17+ years of Design, detailing, BOQ as well as site experience with a passion for Structural Engineering.

- ❑ 12 years 6 months of experience in Design, Detailing, Rate Analysis, Boq, Quantity Survey, Civil & Structural Execution work.
- ❑ Preparation of GADs of structures for various government departments as per Standards.
- ❑ Preparation of Detailed Design Report for various components of Bridge/flyovers over highway, railway & waterbodies.
- ❑ Preparation of Preliminary & Detailed drawings for various components of Bridge/Flyovers over highway, railway & waterbodies.
- ❑ Preparation of BOQ, Rate analysis with preliminary/Detailed Quantity Calculation.
- ❑ Preparation of Detailed Project Report.
- ❑ Inventory Studies of Various Road & Highway Structures.
- ❑ Capacity Calculation of Shallow & Deep foundation from soil report.
- ❑ Proof Checking of various component of bridge/Flyover.
- ❑ Getting Proof checked from IITs/NITs/Rail/other Government organization.
- ❑ Preparation of Detail design report & Construction Drawing of Multistoried Building.
- ❑ A self-motivated person who can coordinate and guide a team to deliver quality work within deadlines.

PROFESSIONAL MEMBERSHIPS

- ❑ Chartered Engineer and Member (AM-1491345) of Institution of Engineers India.
- ❑ Structural Engineer Class – I of Howrah Municipal Corporation.
- ❑ Geotechnical Engineer Class – I of Howrah Municipal Corporation.

EXPERIENCE

ITES Limited, Highway Division & ERPO, Kolkata

An engineering consultancy under Ministry of Railways, Govt. of India, specializing in the field of Rail Infrastructure, transport infrastructure with projects executed in over 62 countries worldwide.

Assistant Manager/Civil-Structural Engineer

November 2nd 2012 – Present

- ❑ Involved in analysis and design of road & river/canal bridges using software like STAAD Pro in the Highway Bridge Design Department.
- ❑ Involved in analysis and design of Substation, Station Building & Staff Quarter using software like STAAD Pro, E-Tab in the ERPO Design Department.
- ❑ Guiding draftsman in drawings preparation.
- ❑ Preparation of BOQ & Detailed Quantity Calculation.
- ❑ Getting Proof checked/Vetted of Various structures from IIT/NIT & Rail.
- ❑ Assist site engineers to solve design & drawing related issues of ongoing Projects.
- ❑ Projects Handled:
 - Preparation of Detailed Design, Detailed drawing, Boq, Hydraulic Calculation of Kagnasabati & Shilabati bridge in West Medinipur of 303 Km Long Kharagpur to More gram Project.
 - Involved in Preparation of Tender drawing, Boq, Quantity Calculation of Kona Expressway Project.
 - Involved in Design of a 75m span Bowstring Girder Road Over Bridge superstructure & substructure at Bansberia, Hooghly. The design is approved by Eastern Rail after proof checking.
 - Preparation of Detailed design, Drawing, Boq & Quantity estimation of Foundation, steel substructure & composite superstructure of Proposed Flyover Project along Syed Amir Ali Avenue-Kolkata.
 - Preparation of Detailed design, Drawing of RCC substructure & superstructure, Preparation of Boq & Detailed Quantity estimation of Proposed Flyover Project at Ruby along E.M bypass-Kolkata.

- Involved in preparation of Detailed design, GFC drawing, Boq, Detailed quantity estimation of 373 RCC bridges over irrigation canal in 7 district of West Bengal under I&WD Government of West Bengal. The design & drawings are approved by Central Design Office of I&WD after Proof checking.
- Preparation of detailed design, GFC drawing & getting Proof checked by IIT KGP of all the approach substructures of 2 Nos ROB at Bandel & Adisaptagram under WBHDCL.
- Involved in preparation of Detailed design, Drawings & Quantity Estimation of ROB near Fatuha Patna in Ultratech Clinker grinding unit project. The design & drawings are approved by NIT/IIT Patna after Proof checking.
- Proof Checking of Composite superstructure & Substructure (including Rail GAD) of 11 Nos ROB in Garden Reach Flyover project under KMDA.
- Proof Checking of Warren type truss Superstructure at Bhatpara under KMDA.
- Preparation of Detailed Quantity Calculation & Boq of PKG-III Project (Excluding Second Ishwar Gupta Setu) under WBDCL.
- Involved in Preparation of detailed design, drawing & quantity estimation of Bridges under PKG-I & PKG-II under WBHDCL.
- Involved in Design of a 75m span Bowstring Girder Road Over Bridge superstructure & substructure at *Mogra*, Hooghly under PKG-II Project. The design is approved by Eastern Rail after proof checking.
- Preparation of Drawings, Boq & Quantity estimation of Bridge over Mahananda River in Siliguri under Siliguri municipal corporation.
- Preparation of Detailed design, Drawing, Boq & Quantity estimation of ROB at Raghunathpur under DVC.
- Detailed quantity calculation of Substructure & superstructure of Vivekananda Road flyover demolition Project under KMDA.
- Preparation of GAD, Detail design & Drawing of Panel Building For Pvt Siding of Patratu Super thermal Power Project under East Coast Railway.
- Preparation of GAD, Detail design & Drawing of Staff Quarter Building For Electrification of Lumding Badarpur section of NFR Railway.

IVRCL Infrastructure & Projects Ltd, Kolkata, West Bengal

A renowned Indian Infrastructure company undertaking Water Projects, Transportation Projects, Industrial Infrastructure Projects.

Assistant Engineer

August 3rd 2009 – November 1st 2012

- ☐ Preparation Daily Progress Report.
- ☐ Preparation of contractors Bill & involved in Preparation of client Bill.
- ☐ Co-ordination with clients, vendors, consultants and other departments for technical discussions.
- ☐ ISO documentation for the department.
- ☐ Projects handled:
 - *Vivekananda Road Flyover Project Kolkata under Kolkata Metropolitan Development Authority.*

Tantia Construction Ltd, Kolkata, West Bengal

A renowned Indian Infrastructure Company specialized in railway infrastructure, bridges, Roads - Highways.

Site Engineer

July 14th 2008 – July 31st 2009

- ☐ Involved in execution of RCC structures like Pile, Pile Cap, Pier, pier Cap & Deck slab over Steel Girder.
- ☐ Preparation of Contractor Bill.
 - *Nabadiganta Flyover Project Kolkata under Kolkata Metropolitan Development Authority.*

Simplex Infrastructure Ltd.

A renowned Indian Infrastructure diversified company established in 1924 and executing projects in several sectors like Transport, Energy & Power, Mining

Graduate Engineer Trainee November 2nd 2007 – July 12th 2008

- ☐ Preparation of BBS of RCC Structure.
- ☐ Execution of Conveyor belt Open Foundation.
 - *Lafarge Mejia Cement Plant Project under Lafarge India Ltd.*

EDUCATION

Course	Institution	Passed out in	CGPA / %
B.Tech. Civil Engineering	Meghnad Saha Institute of Technology (WBUT)	May 2007	7.88
12 th Std (WBCHSE)	Vivekananda Institution Howrah	March 2003	65.6%
10 th Std (WBBSE)	Vivekananda Institution Howrah	March 2001	78.1%

PROFESSIONAL COURSE

Course	Institution	Passed out in
Diploma in Business Management	The ICAI University, Tripura	November 2010
Diploma in Civil CaDD	CaDD Center, Bangalore	January 2009
Primavera – P3	CaDD Center, Bangalore	January 2009

PROFESSIONAL TRAINING

- ☐ Successfully participated in on line training Programme on “**DESIGN OF BRIDGE STRUCTURE & FOUNDATION**” organized by CSIR-Central Road Research Institute, New Delhi India from 24th – 26th February-2021

PERSONAL INFORMATION

Father's Name: Asim Kumar Ghosh
Date of Birth: 31/05/1986
Gender: Male
Marital Status & Children: Married, 1 son & 1 daughter
Languages known: Bengali, Hindi, English
Present Address: Hatpukur, Near Balok sangha G.I.P colony Ramrajatala Howrah-711112.
Permanent Address: Hatpukur, Near Balok sangha G.I.P colony Ramrajatala Howrah-711112.

‘Bridge & Elevated Structures are my passion and I shall contribute and grow with the company.’

Kolkata

Yours sincerely,
Reetabrata Ghosh