

BIO-DATA

Gopal Halder
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SYNOPSIS

- ❑ A professional with **32 years** of excellent experience in Project Management (using **primavera, ms-project**) and **Engineering** (using **STAAD Pro, ETAP, PLS-CADD, AUTOCAD**), QA, Inspection of **HVDC Bipolar(2500MW,+/-500KV,1000KM)(2nd fastest in World)**, (2000MW,+/-500KV,1440KM), Interfacing with **6x500MW & 5X660+4X330MW Power Plant, Back-to-back(500MW,+/-500KV) stations, 800/400/220/132/33/11KV substations, 400KV FSCs, 765/400KV transmission lines and completed on or before schedule time without any accident.**
- ❑ Functioned as Head of pre-commissioning team for new 400KV Transmission Lines.
- ❑ Technical Audit of Solar Plants (Including Indias Largest Solar Plant).
- ❑ Aforesaid activity consists of planning, engineering, preparation of budget (BE & RE), scheduling of tasks, resource allocation (fund, manpower, material), rate negotiation & fixing sub-contractors, monitoring & control of project, co-ordination with design team, procurement to meet target as per approved bar chart.
- ❑ Manpower consists of work force up to 70 direct and 500 contractor employees. Tasks consist of techno-commercial aspects of civil construction, structure erection, erection-testing-commissioning of electrical and mechanical equipments with auxiliaries, quality management as per TS-FQP-GCC-SCC, closing of contract as per LOA and WPP of **POWER GRID CORPORATION OF INDIA LIMITED**.
- ❑ Excellent knowledge of PGCIL standards and norms for construction of SUBSTATION, HVDC AND TRANSMISSION LINE. Detail and thorough knowledge of PGCIL documents i.e. LOA, TS, FQP, WPP, GCC, SCC, OS & SAFETY norms, PG tests, Testing procedures and values of all areas of SUBSTATIONS, TL, HVDC.
- ❑ Possesses excellent knowledge on function of EHV system, Protection, Power electronics & HVDC, working principles and constructional features of all equipments, systems, all auxiliaries of above mentioned stations. Holds certificates from BSI and have experience of internal audit for IMS (Integrated Management System, ISO 9001:2000, ISO 14001:2004, BS OHSAS 18001:2007) and certificates of training on SAFETY and LABOUR laws.
- ❑ Very good knowledge of thermal power station. Undergone training for one month in 470MW station.
- ❑ Demonstrated abilities in working on initiatives, thereby bringing down equipment breakdown & achieving annual costs savings. Improved productivity by technology management.
- ❑ An effective communicator with excellent relationship, management skills and strong analytical, problem solving and organizational abilities.

ORGANISATIONAL DETAILS

Advanced Ultra Power Transmission Consultancy

Career Path

- **Principal Consultant (Please refer Company Brochure) (Mar'13-Till date)**

Megha Engineering & Infrastructure Limited (7000crore company)

Career Path

- **Chief General Manager (765KV/400KV Sub-Stations and Transmission lines) (May'12-Feb'13)**

Adani Power Limited (100000crore company)

Career Path

- Associate General Manager (HVDC & SUB-STATIONS) (April'11-April'12.)
- Deputy General Manager (HVDC & SUB-STATIONS) (August'09-March'11)

Shyama Power India Private Limited (500crore Company) dealing with PGCIL.

Career Path

- Deputy General Manager (Projects) (Feb'08-July'09)

Power Grid Corporation of India Limited (A Government of India Enterprise, 63387crore enterprise), (Aug'94-Jan'08)

Career Path

- Manager (April'06-Jan'08)
- Deputy Manager (Jan'03-Mar'06)
- Senior Engineer (Jan'99-Dec'02)
- Engineer (Aug'95-Dec'98)
- Trainee (Aug'94-Jul'95)

SPML

Career Path

- Trainee (June'93-July'94)

Companies Dealt: POWER GRID, Siemens, ABB, AREVA, Hyundai, WS ATKINS, PTC INDIA LTD, NEXIF, WELSPUN, BSEB, TATA Projects, L&T, BHEL, JUSNL, CSPTCL, KPTL, APTRANSCO, CGL

Project handled:

Sl.no.	Detail of Project	Cost of project in INR	Job	Designation	Role
16.	06nos. 400KV substations 1235ckt-km 765KV, 400KV, 220KV, 110KV transmission lines	800cr	New constructions	CGM	HEAD
15.	01no. HVDC: 2500MW, +/-500KV, 1000KM, including OPGW, interfacing with 5x660+4x330MW Generating station.	1600cr	New constructions	AGM	HEAD
14.	04nos. 765/400KV SUB-STATIONS	1000cr			
13.	02nos. Fixed Series Compensator	41cr			
12.	03nos. 400KV Sub-Stations	45cr			
11.	12 nos. 220KV, 132KV Sub-Stations,	Total cost of projects	New constructions	DGM	Project Manager
10.	71nos. 33KV Sub-Stations,	(06 packages) more			
09.	500nos. Villages RE works.	than 250Crs.			
08.	400KV, 278Ckt-Km D/C over head transmission line	90crs	New constructions	Manager	Project Manager
07.	400KV, 435Ckt-Km over head transmission line	200crs	Maintenance	Manager	Project Manager
06.	35KM of optical fiber	28lacs	New construction	Manager	Project Manager
05.	400/220/33/0.440KV Sub-Station, 33KV cable-laying	50crs	New construction	Manager	Project Manager
04.	500MW, +/- 205KV HVDC back to back	400crs	Maintenance	Manager	Project Manager

03.	2000MW, +/- 500KV, 1440KM HVDC bi-polar, interfacing with 6x500MW Generating station.	385crs	New construction	Deputy Manager	Project Management activities
02.	400/220/132KV Sub-Station	40crs	Maintenance	Senior Engineer	Project Management activities
01.	400/220/33KV Sub-Station	50crs	New construction	Engineer	Project Management activities

The Company:

1. Megha Engineering & Infrastructure Limited a 7000cr company is in construction of 765kv, 400kv substation and Transmission lines.

2. Adani Group, a US \$ 10 billion company based in Ahmedabad, is one of the fast growing Business House of the country with diverse interest in global trading, development and operation of Ports, IDC terminal, establishment of SEZ, Oil refining, logistics, gas distribution, Power Generation, Power Transmission and Power Trading etc. Adani Power Limited, a subsidiary of Adani Enterprises Limited, is developing number of power projects along with its dedicated transmission station system.

APL has completed and under construction project of 16500MW.

02. Shyama Power India Private Limited is doing construction of sub-stations and lines in all over Bihar, whole NER, Bhutan, Haryana, Gujarat dealing with PGCIL.

03. Power Grid Corporation of India Ltd., (POWERGRID/ PGCIL), the Central Transmission Utility, develops, builds, owns, operates & maintains EHV transmission system criss-crossing entire country. POWERGRID is one of the largest transmission utilities in the world with over 100619Ckt-Km of mainly 400KV and above transmission lines, 136358MVA transformation capacity and 168nos. (500KV bi-polar, 205KV back-to back HVDC, 400/220/132KV) Substations. Network includes systems of SIEMENS, AREVA & ABB.

Project Management:

- Project Management (using MS-PROJECT), QA, Inspection of HVDC Bipolar(2500MW,+/-500KV,1000KM), (2000MW,+/-500KV,1440KM), Interfacing with 6x500MW & 5X660+4X330MW Power Plant, Back-to-back(500MW,+/-500KV) stations, 800/400/220/132/33/11KV substations, 765KV/400KV transmission lines and completed on or before schedule time without any accident. Activity consists of planning, engineering, preparation of budget (BE & RE), scheduling of tasks, resource allocation (fund, manpower, material), rate negotiation & fixing sub-contractors, monitoring & control of project, procurement, Billing (supply, erection, price variation) to meet target as per approved bar chart.

Engineering:

- Head of Engineering to check and approve design & engineering-documents, drawings (electrical, mechanical, electronics & civil interfacing) of HVDC, FSC, 765/400KV Sub-Stations. Witnessed and approved type test of converter transformer, FPT&DPT of HVDC bi-polar control & protection system in Siemens. Used STAAD Pro, ETAP, AUTOCAD. **Transmission line Engineering Survey, Profiling, Tower Design, Sag-Tension Calculation, Stringing Chart, Tower Foundations design, Drawings, BOM, Estimations, Tower Drawings up to 765KV by using STAAD Pro, PLS-CADD, Total Station Applications. Tender documents preparation.**

Installation & Commissioning:

- Installation and Commissioning of 1500MVA (3X498MVA) converter transformers, AC&DC filters, thyristors, firing cards, snubbers circuits components, smoothing reactors, automatic valve cooling system, filter circuits, CTs, CVTs, LAs, DC filters, CBs, other DC equipments, part of HMI, disturbance recorder, automatic fire fighting system, centralized air-conditioning system, auxiliary supply system, 1400KVA automatic DG set, 2000KVA, 33KV

transformer, all structures and all three earthing systems of Bipolar (2000MW at +/-500 kV) HVDC station 09 months ahead of schedule. Identified and tested ELECTRODE STATION for Mundra HVDC station successfully in a single shot.

- Installation and Commissioning of 400/220/33kV, 315MVA power-transformers, circuit breakers (vertical single break SF6 spring operated), CVTs, Wave-traps, LMU, balance transformer, CTs, LAs, isolators (horizontal central break), Control and Protection (all type of distance relays, line fault locators, over voltage, over current, differential, earth fault, CT selection, pole discrepancy, etc.) panels, disturbance recorder, event logger, all PLCC systems incorporation of protection system and EPABX, fire-fighting (emulsifier, hydrant, smoke detection, portable) system, centralized air-conditioning system of control room, auxiliary auto LT supply, 250KVA DG set, 33KV cable laying, all structures and all three earthing systems of 400/220/33/11kV sub-station. Correspondence with all concerned, billing (supply, erection, price variation), processing of taxations, attending high level meetings with agencies.
- Monetary incentive received for ahead of schedule commissioning of HVDC.
- **Conducted Survey, Preparation, submission of proposal and persuasion for Forest, PTCC, Civil aviation, Railway-crossing clearance from concerned departments for 400Kv 138.6KM over head transmission line. Foundation, erection works have been done for this line. Laying and commissioning of intercity link of optical fiber.**
- Inventory management for all equipments, relays, components, hard wares of all sub-stations and over head transmission lines done independently.

Maintenance/ Operations:

- Operation and Maintenance, fault/failure analysis and rectification of all afore said systems.
- Techno-commercial verification for procurement of all type of sub-station equipments and spares.
- In-charge of HRM department, safety officer, ISO coordinator of sub-station.
- Winding resistance of converter transformers were measured successfully by micro-ohm/ contact resistance measurement meter in malfunctioning of winding resistance meter.
- Planning and effecting preventive maintenance schedules of various machineries and instruments to increase machine up time and equipment reliability.
- Proactively identifying areas of obstruction/ breakdowns and take steps to rectify the equipments through application of trouble shooting tools.
- Impart continuous on job training to the subordinates to enhance their operational efficiencies.

Quality Control/ Assurance:

- Ensure adherence to quality standards and maintaining all related documents as per IMS and technical specification and company controlled documents.
- Identify areas of quality failures and take steps to rectify the system.
- Practicing quality standards with key emphasis on improving quality.

Technical Support/ Troubleshooting:

- Responsible for dismantling, assembling, and troubleshooting of plant & machines
- Increasing mean time between failures & reducing mean time to repair the machines, thereby increasing productivity.

IT SKILLS

Operating system : WINDOWS 10 professional (expert)

Office Tools : **Microsoft Office 2007 (expert), primavera, MS-Project, AUTOCAD, STAAD Pro, PLS-CADD, IBM Lotus notes, Google earth, ETAP, DIALUX,**

ACADEMIA: B.E. (ELECTRICAL) from Calcutta University in 1993

PERSONAL DETAILS

Date of Birth : June 7, 1970

Address : Advanced Ultra Power Transmission Consultancy (AUPTC)

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