

DEBAL GUHA THAKURATA

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Graduate Electrical Engineering Professional with overall 33 years of multi-dimensional experience in the field of industrial development / refurbishment assignments in the role of Planning, Concept Development, Designing and Engineering, Procurement, Installation, Testing & commissioning of different Electrical and Electro-Mechanical equipments/ products/ field instruments/ technologies supporting the project.

PERSONAL DETAILS

Permanent Address : 135 Sahara GhoshPara, PO: Maichel Nagar, PS: Airport, Kolkata–700133
Date of Birth : 1st November 1955
Sex : Male
Marital Status : Married
Religion : Hindu
Country of Origin : INDIA
Language Competence : English, Hindi and Bengali (Read, Write and Speak)
Passport Validity : Till 16. 08. 2026

PROFESSIONAL OBJECTIVES

- ✓ Seeking Challenging Job in Senior Level at Electrical Project Design, Testing & commissioning etc. where my knowledge, creativity and personal skills can be utilized & nourished.
- ✓ Willing to work with significant responsibilities in a target oriented, time bound & motivated team belonging from a visionary, knowledge based & equal opportunity firm of high ethical values & sound work environment., so that I may be able to expand my technical knowledge with ability to manage human and material resources, motivate and provide effective guidance to juniors and work in a team realize my true work potential”
- ✓ To actively participate for materializing employer’s vision, mission & business interest and to result professional growth for both employer and myself.

ACADEMIC & TECHNICAL QUALIFICATIONS

<u>Sl.</u>	<u>QUALIFICATIONS</u>	<u>INSTITUTIONS</u>	<u>COURSE DURATION</u>	<u>PASSING YEAR</u>
1.	HIGHER SECONDARY	KODALIA AGAPUR HS SCHOOL, KOLKATA	7 Years	1971
2.	DIPLOMA IN ELECTRICAL ENGINEERING	GYAN GHOSH Polytechnic, Kolkata under West Bengal State Council of Technical Education	5 Years	1981
3.	BACHELOR DEGREE IN Electrical Engineering (AMIE)	INSTITUTE OF ENGINEERS, GOKHALE ROAD, KOLKATA	7 Years	1994

OTHER TECHNICAL QUALIFICATION CERTIFICATES

Sl.	QUALIFICATION	INSTITUTION	Course Duration	YEAR
1.	ADVANCE TRAINING FOR CONTROL & AUTOMATION	IIATCA, KOLKATA	1 Year	2006
2.	SUPERVISORY LICENCE OF Electrical Eng.Upto 33 KilloVolts Installation and Commissioning	LICENCING BOARD GOVERNMENT OF WB. (Part-1,2,3,4,5,7A,7B,11,12)	LT& HT Equipments LT& HT Transformers LT& HT Cables	1997 To 2017
3.	Computer MS Word, MS Excel & Power Point	RCL Drives, Kolkata	1 Year	2012
4.	Credential analysis of Electrical Engineering Diploma & Degree	World Education Services (CANADA)	Certificate Number ECA#: 3113191IMM	29. 11. 2016
5.	Speaking / Listening / Reading & Writing Test	IELTS under British Council	Average Score 5.5	2017

EMPLOYMENT DETAILS

Sl.	Company	Post	From	To
1.	DGT ENGINEERING (Own Project Consultancy Firm)	Erection & Commissioning Expert (E&M) Equipments	01/11/2016	Till Date
2.	WATERTECH ENGINEERS Pvt. Ltd.	Project Consultant (E & M)	21/12/2015	30/07/2016
3.	WPIL LTD. (Formerly Worthington Pump India Ltd.)	Senior Manager–Services	01/08/1992	30/06/2015
4.	K G KHOSLA Compressors Limited	Service Engineer	11/02/1985	31/07/1992
5.	FOURESS Engineering India Ltd.	Asst. Maintenance Engineer	02/02/1984	04/02/1985
6.	Bengal Saws & Steel Products Ltd.	Maintenance Supervisor	01/01/1983	30/06/1983

NATURE OF ASSIGNMENTS HANDLED

KEY RESPONSIBILITY AREA AS PROJECT CONSULTANTS – ELECTRICAL (WATERTECH ENGINEERS PVT. LTD.) & SENIOR MANAGER (WPIL LTD.) :-

NATUTRE OF DESIGN & ENGINEERING ACTIVITIES: –

- **Tender Document Review & Preparation of Tender Pricing,** Vendor Drawing /Document Review and Technical Discussion with Client/Vendor Including Commercial Settlement. Preparation of BOQ, Preparation of Bar-Chart of Project activities & Documentation for waiver of LD clause.
- **Preparation of Distribution, Protection & Metering single Line Diagram.**

- **Calculation for sizing of Cable (used in HT & LT) for:-** Switchgear, Transformer, Motor, Battery with Charger, Capacitor, Interlock Control Panel, Motor actuator & All types field Instruments (Temp. Scanner, Level & Pr. Transmitter, Vibration Monitor, Reverse Rotation Controller etc.)
- **Preparation of control schematics for** Incomer, Transformer, Motor Feeder & Control Panel.
- **Cable Schedule including Interconnection Diagram** for the system with its allied instruments.
- **Preparation of Control Philosophy** write-up for the system operation.
- **Detail Engineering of HT/LT earthing, Transformer neutral earthing & Lightning Protection.**
- **Preparation of Ladder Logic Diagram for PLC** and Input / Output list for DCS.

NATURE OF PRACTICAL ELECTRICAL JOB AS INDEPENDENT PROFESSIONAL: -

- **Erection, Fault Finding Including Commissioning of Complete Electrical System: -** HT / LT Switchgears / Transformers, Motors, Control Panel and PLC. Including all field Instruments.
- **(Independently Commissioned HT Transformer up-to 33KV 10 MVA & Motor 11KV 4.3 MW)**
- **Erection & Commissioning of Motorized actuator and Hydraulic operated Discharge Valve** including setting of its interlock limit / torque switches etc with the system.

NATURE OF PRACTICAL MECHANICAL JOB AS INDEPENDENT PROFESSIONAL:

- **Installation of VT Pump up-to 100 inches dia. 43000 Meter-Cube/Hour & Inclined Pump up-to 32 inches dia. 9000 Meter-Cube/Hour & Compressors** including its Thrust Bearing Housing Assembly, Discharge Valve, Motor & Engine with Gear Drive Unit.
- **Fault Finding and rectification** including sorting-out vibration problem of large VT Pump etc.

NATURE OF PRACTICAL ELECTRO-MECHANICAL FIELD TESTING JOB AS INDEPENDENT PROFESSIONAL: -

- **Conducting Of Field Performance Guarantee Test of VT Pump & Horizontal Pump: -** (Rated Head & Power Consumption, Temperature, Vibration & Noise-Level limit in rated condition)
- **Conducted Field Testing of VT Pump Up-To 32.5 Meter Head and 43000 Meter-Cube/Hour.**
- **Preparation of Field Guarantee Test Report** including its relevant calculation and preparation of field project report **Both Mechanical and Electrical.**
- **Field Testing of HT Transformer:** (Vector grouping, OC/SC/Knee point, High Voltage, Ratio etc.)
- **Field Testing of HT Motor:** (High Voltage, P/I Value, impedance etc.)
- **Commissioning and Field Testing of all field Interlock Instruments:** (Temperature Scanner, Vibration Monitor, Pr & Level Transmitter, Reverse Rotation Indicator Controller etc.
- **Installation and Commissioning of WTP, STP and Various Treatment Plants including chemical dosing, maintenance & modification of operation philosophy to suit the system requirement.**

KEY RESPONSIBILITY AREA AS ELECTRO-MECHANICAL SERVICE ENGINEER (K G KHOSLA COMPRESSORS LIMITED): -

Independently managed and supervised both Electrical & Mechanical Installation job including commissioning of any type of Instrument Air / Nitrogen Compressors, Blow-Heat type Air Dryer Unit and its associated all accessories & field protection instruments.

- Preparation of control schematic diagram including commissioning of Interlock panel after incorporating all relevant field protection instruments.

- Preparation of control philosophy of compressor operation.
- **Independently Erected & Commissioned High Pr. Compressor (110 Kg/Cm²) at ONGC Assam.**

KEY RESPONSIBILITY AREA AS ASSISTANT MAINTENANCE ENGINEER (FOURESS ENGINEERING INDIA LTD.) & MAINTENANCE SUPERVISOR (BENGAL SAWS & STEEL PRODUCTS LTD.): -

- **Maintenance, fault finding and rectification problems of:** - Distribution Transformer, EOT Crane of various capacities, Welding Transformer, Welding Generator, Discharge Valve motor actuator of Auma & Rotork make, Different type of turning lathe machines various electrical problem etc.
- **Preparation of routing maintenance schedules** of various equipments, which use in the factory.
- **Maintenance, fault finding and rectification problems of:** - Distribution Transformer, EOT Crane of various capacities, Induction & Arc Furnace, Welding Generator, Hot & Cold rolling mills equipments

PROJECT EXECUTED AS LEAD PROJECT ENGINEER

Nature of Project	Major Clients
Thermal Power Plants Facility Development / Refurbishment	: NTPC India (Farrakka, Kahalgaon, Janor, Bindahachal, Simadri, Talcher etc.), APGENCO Vijayawada, L&T Malwa & Rajpura, TPL Giral & Maithon, NALCO Angul, Jindal Angul, Reliance Sasan, BSEB dhanu, CESC Budge-Budge and various other clients throughout India
Water Supply System Development	: KMDA, Kolkata (Serampore, Belgachia, Baranagar, Kona etc.), BWB Malwai Africa.
Lift Irrigation Facility Development	: Than Diem & Van Thai at Hanoi VIETNAM & Bhairawa NEPAL. Nabong Khoksa & Nakhon Thong-Mong at Vientien LAO PDR, Ambhora & Tekepar Nagpur, PWD Ghatakpur & Messanjore.
Petrochemical Plants related facility Development / Refurbishment	: IOC Haldia, ONGC, Oil India, Janor Chemicals at Damam SAUDI-ARABIA & LEBANON

PROFESSIONAL INSTITUE MEMBERSHIP

- Associated Member of Electrical Engineering Cell of The Institution of Engineers (India) Membership No. AM090450-6.

PROFESSIONAL REFERENCES

Reference 1 :

Mr. T. K. Mitra
Vice President
WATRTECH ENGINEERS PVT. LTD.
1A, Raja Subodh Mullick Square, Kolkata - 700013
Mobile Phone No. : +91 9874272341

Reference 2 :

Mr. Swapnadeep Guha
Data Analyst
EXPERIAN, Town – Cyberjaya, District-Selangor, **Country - MALAYASIA**
Mobile Phone No.: +6013 511 6980

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Debal Guha Thakurata