

# **RESUME**

## **NANDADULAL MANNA**

Alaknanda, Kalkaji  
New Delhi-110019  
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## **OBJECTIVE**

To utilize my skills, to their best, so as to make significant contribution targeting the achievement of the organizational objectives and my professional goals.

## **EDUCATION**

EXAMINATION	BOARD/ UNIVERSITY	MARKS (%)	INSTITUTION
Madhyamik (2006)	W.B.B.S.E	77.125	Bajkul Janaklyan Siksha Niketan
Higher Secondary (2008)	W.B.C.H.S.E.	68.4	Khodambari Union B.P.H.S. school
B.TECH (2008-2012)	W.B.U.T	7.39 out of 10	Dumkal Institute of Engineering & Technology

## **PROFESSIONAL EXPERIENCE**

A dedicated dynamic professional with nearly "3 Years 8 Months' Experience in Electrical Design & Planning" & "06 Months Experience in Assistant lecturer" as following:

### **N\_Arc Consulting, New Delhi**

**Electrical Engineer, since Aug. 2017 to till date**

N\_Arc Consulting provides a range of consultancy services in the verticals of AIS & GIS Substation, Power Generation (Hydro, Thermal, Solar, Wind and Biomass) and Electrical Infrastructure Projects.

### **JOB DESCRIPTION (Substation Design)**

#### **Preparation of following design calculations:**

- Conductor sizing, Power cables sizing & Voltage drop calculations.
- Earthing & Direct stroke lightning protection (DSLPL) calculation.
- Short Circuit force (SCF) calculation.
- Auxiliary load calculation, Switchgear selection, Transformer sizing & Indoor lighting calculation.

#### **Preparation & issuing of following drawings and documents.**

- Preparation of Key Single line diagram.
- Preparation of electrical layout plan & elevation of EHV switchyards, indoor substations and electrical Control rooms.
- Preparation of Cable trench layout for EHV switchyards and control room, Direct stroke lightning protection (DSLPL) layout and Preparation of Earthing layout with BOQ of all earthing materials for EHV switchyards
- Power cable schedule.
- Erection key diagram for switchyards along with BOQ of clamps, connectors, conductors, shield wires, hardware.
- Estimation of substation works, preparing the tender document and review of equipment GTP & GA drawings.
- Pre-bid engineering consisting of Preparation of Tender Specification, design basis report & BOQ and giving the technical presentation to clients.

**Project:****a) PROJECT-1 (ONGOING): 2x 40/50 MVA, 132/33 KV SUBSTATION AT KUNDLI (Haryana)**

**Role Description:** Design Engineer  
**Name of Work:** Tendering, Equipment & GTP review  
**Client:** Haryana State Industrial and Infrastructure Development Corporation Ltd

**b) PROJECT-2 (ONGOING): 2x16/20MVA, 132/11 KV SUBSTATION AT NAGALWADI, JHABUA (M.P.)**

**Role Description:** Design Engineer  
**Name of Work:** Tendering, Design, Equipment & GTP review  
**Contractor:** JMC India Pvt. Ltd

**c) PROJECT-3 (FINISHED): 132KV SUBSTATION AT ACHWA RIVER HPP-2**

**Role Description:** Design Engineer  
**Name of Work:** Design & Engineering service  
**Contractor:** Voith Hydro

**EME Design Services (India) Pvt. Ltd, New Delhi Electrical Engineer, since Mar.15 to Aug. 17**

Provide comprehensive MEP services from concept design to construction of installation in the Commercial, hospitality or manufacturing industry.

**JOB DESCRIPTION**

- Estimate Connected Load & Maximum Demand, Equipment like transformer, DG Sizing Calculation.
- Preparation of Preliminary Budgetary Costing, Design Basis Report (DBR)/Concept note.
- Cable size & LT Voltage drop calculation, Cable routing.
- To produce schematic, design development and construction documentation (tender package) for electrical works, Bill of Quantities (BoQ), specifications.
- Selection of HT & LT switchgear, Earthing and lightning protection Device, Power factor Correction equipment, Harmonic mitigating device, LT Distribution Board, Light fixtures.
- Space planning for electrical plant rooms, route finalization for horizontal and vertical distribution.
- Preparation of Electrical Layout like lighting, power layout.
- Provide sketches / details to CAD technicians.

**Project:**

- Olhahali Island Resort, Maldives
- Lux Resort & Hotels, Maldives
- Building Project, New Delhi
- Hyatt Mcleodganj Hotel, Himachal Pradesh

**Minerva polytechnic, West Bengal since Feb.14 to Aug. 14**

Minerva Polytechnic provides a warm, caring, stimulating and challenging environment for students to learn and grow, both mentally and physically.

There are my role is actively involved in electrical engineering subject and challenging and engaging students to realize their performance, potential skills. Also made significant input in dept. administration and my capacity as well as module leader.

**TRAINING AND PROJECT**

**Training:** Four weeks Industrial training in Sagardighi Thermal project (9.7.11-30.7.11) and two months auto cad training at Srimati National Techno Institution.

**Project:** Testing of single phase capacitor start induction motor.

**COMPUTER PROFICIENCY**

**Environment:** Windows

**Software skill:** MS-Office, AutoCAD, Dialux

**EXTRA CURRICULAR**

- Event organizer and core committee member in college function and other events.

- Actively participated in Blood donation camp.

**PERSONAL PROFILE**

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**Name:** Nandadulal Manna

**Father's Name:** Mr. Achintya Kumar Manna

**Sex:** Male

**Date of Birth:** 02/04/1991

**Nationality:** Indian

**Language known:** Bengali, English, Hindi

**Hobbies:** Watching cricket match, Internet surfing, reading magazine

**Permanent Address:** Vill: Bajkul, P.O.:Kismat Bajkul  
Dist: Purba Medinipur, Pin. 721655(WB)

**DECLARATION:** I hereby declare that all the information given above is true to the best of my knowledge.

**Date:** 12-Nov.-2018

Nandadulal Manna

**Place:** Delhi

**(Signature of the applicant)**