



**ARINDAM BANERJEE**

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**Assignments in Electrical Project Execution & Maintenance**

**Industry Preference:** Steel/Power/F.M.C.G.

**PROFILE SUMMARY**

- B.Tech. (Electrical and Electronic Engineering) offering more than 6.5 years of experience in Electrical Engineering, Project Execution & Maintenance, Plant utility management.
- In-depth experience in performing installation and maintenance of various electrical equipment, carrying out power distribution equipment protection & control
- Sound technical knowledge about different facets of motor control & protection and layout design of M.C.C.
- Diligently handled estimation of projects, operations and people management issues to realise the desired target
- Underwent a training on "To Study Hydro Electricity Generation and Transmission" at Damodar Valley Corporation in 2011
- A keen communicator with honed interpersonal, problem solving and analytical abilities

**AREA OF EXPERTISE**

*Project Management*

*Resource Estimation*

*People Management*

*Safety Compliance*

*Cross Functional Collaboration*

*Engineering Best Practices*

*Compliance*

*Documentation & Reporting*

*Electrical Maintenance & Support*

*Team Coordination*

**ORGANIZATIONAL EXPERIENCE**

**Since Mar'14 Shyam Sel & Power Ltd., Durgapur as Asst. Manager (Project)**

- March 2014 to April 2015( **PROJECT :33 KV , 2 x 9 MVA SUB MARGED ARC** )
  - A. Mapping all project planning and load data collection from Mechanical Department .
  - B. Finalise the Electrical Equipment as per Load data : Furnace transformer , Auto Transformer , All Switch gear( Siemens make VCB) , PCC panel , MCC panel , LT motors , LT and Ht cable , EOT CRANE
  - C. Project Material Management : Material Indent and GTP checking and finalisation .
  - D. Inspection and Testing : Inspection and testing as per BOM and QAP at Maker's factory .
  - E. Erection & Commissioning : Material Erection through agency team
  - Erection Items** : 11 MVA Auto and Furnace Transformer (33 kv / 90-170volt), 33 Kv 1250 A indoor type VCB
  - F. Relay Co-ordination : Numerical Relay 7SR12 and 7SR10 (Siemens) , Alstom make Analog Relay co-ordination completely done .

**May 2015 to December 2016 (PROJECT : 11 KV , 2 X 15 TON STEEL MELTING SHOP)**

- A. Mapping all project planning and load data collection from Mechanical Department .
- B. Finalise the Electrical Equipment as per Load data : Furnace transformer , All Switch gear( SCHNEIDER make VCB) , PCC panel , MCC panel , LT motors , LT and Ht cable , EOT CRANE
- C. Project Material Management : Material Indent and GTP checking and finalisation .
- D. Inspection and Testing : Inspection and testing as per BOM and QAP at Maker's factory .
- E. Erection & Commissioning : Material Erection through agency team
- Erection Items** :7.2 MVA Furnace Transformer (11 kv / 2X1000volt), 11 Kv 2500 A indoor type VCB
- F. Relay Co-ordination : Numerical Relay MICOM P111 and P127 (MICOM) , Alstom make Analog Relay co-ordination completely done

**JANUARY 2017 to MARCH 2018 (PROJECT : 11 KV , 6 X 8 TON STEEL MELTING SHOP)**

- A. Mapping all project planning and load data collection from Mechanical Department .
- B. Finalise the Electrical Equipment as per Load data : Furnace transformer , All Switch gear( SCHNEIDER

make VCB), PCC panel, MCC panel, LT motors, LT and Ht cable, EOT CRANE

C. Project Material Management : Material Indent and GTP checking and finalisation .

D. Inspection and Testing : Inspection and testing as per BOM and QAP at Maker's factory .

E. Erection & Commissioning : Material Erection through agency team

**Erection Items** :7.2 MVA Furnace Transformer (11 kv / 2X1000volt), 11 Kv 2500 A indoor type VCB

F. Relay Co-ordination : Numerical Relay MICOM P111 and P127 (MICOM) , Alstom make Analog Relay co-ordination completely done

• APRIL 2018 to FEB 2019( **PROJECT :33 KV , 1 x 9 MVA SUB MARGED ARC FURNACE & 6 X 8 TON INDUCTION FURNACE )**

A. Mapping all project planning and load data collection from Mechanical Department .

B. Finalise the Electrical Equipment as per Load data : Furnace transformer , Auto Transformer , All Switch gear( Siemens make VCB) , PCC panel , MCC panel , LT motors , LT and Ht cable , EOT CRANE

C. Project Material Management : Material Indent and GTP checking and finalisation .

D. Inspection and Testing : Inspection and testing as per BOM and QAP at Maker's factory .

E. Erection & Commissioning : Material Erection through agency team

**Erection Items** : 11 MVA Auto and Furnace Transformer (33 kv / 90-170volt & 33 KV / 2 X 1000 VOLT), 33 Kv 1250 A indoor type VCB

F. Relay Co-ordination : Numerical Relay 7SR12 and 7SR10 (Siemens) , Alstom make Analog Relay co-ordination completely done .

- PRESENTLY WORKING ON : 4 X 350TPD DRI PROJECT & Wire Rod Mill & Wire draw Mill Project planning
- Taking lead of plant UTILITY system from 2016 to present having a team of 25 nos of technical manpower

**Sep'12 – Mar'14 Ispat Damodar Ltd., Purulia as Site Engineer (Electrical Maintenance & Project)**

**Key Result Areas:**

- Responsible for the electrical maintenance of 2 electrical arc furnace of 9 MVA capacity each
- Handled the maintenance and troubleshooting of the following:
  - Maintenance of 3 MVA auxiliary transformers of 11/0.433 kV
  - 2 x 9 MVA furnace transformer
  - H.T. breakers (rating - 1250A & 2500A) like incomer of furnace, outdoor capacitor breaker and auxiliary transformer breaker
  - LT panels and breakers
  - Maintenance of 2 DG set of 500 kVA capacity each
- Involved in the installation and maintenance of the following:
  - 2 E.O.T. cranes of 15 ton (main) and 5 ton (auxiliary) handling capacity
  - Pollution systems including a 315 kV of Id Fan motor and 27 channel of air pulsing
- Installed various items in a project of 2x11MVA Electric Arc Furnace such as:
  - H.T. and L.T. breakers (also their cabling) and L.T. panels
  - 2 transformers of 11 MVA and 2.5 MVA
  - Instrument systems, weigh feeders, AC drives and their wiring with the help of as-built

**ACADEMIC DETAILS**

|      |  |
|------|--|
| 2012 | B.Tech. (Electrical and Electronic Engineering from A.I.E.M., Durgapur, WBUT with DGPA of 8.08 |
| 2008 | 12 <sup>th</sup> from BNG Institution, Sitarampur, WBCHSE with 68.5% marks                     |
| 2006 | 10 <sup>th</sup> from SPBN, Burnpur, WBBSE   |

**ACADEMIC PROJECT**

|                   |  |
|-------------------|--|
| <b>Name:</b>      | Total Designing of Three Phase Transformer |
| <b>Duration:</b>  | Jan'12 – Jun'12                            |
| <b>Team Size:</b> | 12   |

## INTERNSHIP

**Title:** To Study Hydro Electricity Generation and Transmission  
**Organization:** Damodar Valley Corporation, Maithon  
**Duration:** 3 weeks in 2011  
**Role:** Trainee  
**Description:** Visited the CLD division & the transformer substation (11/132 kV) and gathered practical knowledge from them about their functionality

## IT SKILLS

- Application: MS Office
- Operating System: Windows 98 & higher versions

## EXTRACURRICULAR ACTIVITIES

- Played a key role in organizing the gaming fest in Le Fiestus 2k11 in college
- Participated in a State Level Youth Mock Parliament Drama Competition in 2006
- Merit of representing the college cricket team in an Inter College Tournament
- Took part in 'BigyanAvikhya'(Science Exam) in school

## PERSONAL DETAILS

Date of Birth: 16<sup>th</sup> August 1990  
Address: Bishnu Bihar(Colony), Dist.-Burdwan; P.O.-Sitarampur -713359, West Bengal  
Languages Known: English, Hindi and Bengali

## DECLARATION

I hereby solemnly declare that all the statements made above are true and correct to the best of my knowledge and belief

Date:

Place: Sitarampur

ARINDAM BANERJEE

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