

# Musawvir Ansari

📍 Agra-282007

📞 +91-9936988174

✉️ [ansari08ee32@outlook.com](mailto:ansari08ee32@outlook.com)

🌐 [www.linkedin.com/in/musawvir-ansari-48b0b6171/](http://www.linkedin.com/in/musawvir-ansari-48b0b6171/)

## CAREER SUMMARY & OBJECTIVE

Experienced Professional with 11+ years of working in Smart Metering, Electricity Regulatory Affairs, Energy Audits & Accounting of DISCOM up to DT level, Strategy, Project Planning, Coordination, Execution, Team Lead and Data Analytic, Power Utility Operations (AMI/AMR Smart Metering/Billing), Rural Electrification Works and set-up a long-term career with a leading organization that offers a bright career and productive role that suit my skills and ability to grow further.

## CORE COMPETENCIES:

- Project Co-ordination (RDSS Project).
- Energy Accounting & Audit (132KV/33KV/11KV/DT Audit).
- FIT/SAT/ Smart Metering/AMISP
- MDM/HES/NFMS
- Meter Data Analysis
- SLA Monitoring
- Rec Quality Management(RQM)
- Layout and BOQ Preparation
- Project Management Consultant(PMC)
- Detailed Projects Report(DPR)
- Client Relationship Management

## PROFESSIONAL EXPERIENCE (11+ Years)

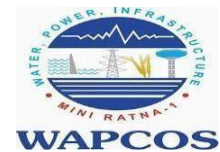


1. **Company** : Genus Power Infrastructure Limited(GPIL)  
**Designation** : Deputy Manager(HES/MDM Expert)  
**Client** : Dakshinanchal Vidyut Vitran Nigam Ltd (DVVNL) Agra, Uttar Pradesh  
**Duration** : (Feb'2025 to Present)

- Led **Site Acceptance Testing (SAT)** for smart meter installations, validating system readiness, functionality, and integration with MDM, HES, and billing platforms.
- Performed thorough testing of meter communication protocols (e.g. RF/Cellular) to ensure seamless data transmission to Head-End Systems (HES) and Meter Data Management (MDM) systems.
- Generated **SAT** reports and documentation, including deviations, failures, and corrective actions, to maintain quality standards and project timelines
- Conducted **Field Inspection & Testing (FIT)** of smart meters to validate installation quality, communication integrity, and meter commissioning status.
- Verified correct meter mapping, phase sequence, CT/PT ratio, and consumer details during FIT activities to ensure data accuracy in MDM and billing systems.
- Documented FIT observations, supported corrective actions, and ensured compliance with DISCOM and regulatory quality standards.
- Uploaded FIT results to centralized systems/portals for audit, reporting, and continuous quality improvement across smart meter roll-out projects.
- Managed the integration and operation of Head-End Systems (HES) and Meter Data Management (MDM) systems, ensuring efficient data collection, processing, and storage from AMI- Enabled meters for utilities.
- Executed Remote Connect-Disconnect (RC/DC) operations through HES/MDM systems, enabling efficient service provisioning and disconnection for delinquent accounts.
- Generated daily and monthly feeder and DT performance( Overloading & unbalance current ) reports from MDM & submit to client.

- Generated daily and monthly feeder performance reports from NFMS to support regulatory compliance, Reliability Indices Report (**SAIFI/SAIDI/CAIDI/CAIFI**) reporting, and operational planning.
- Analysis and Generated detailed exception and reconciliation reports of Feeder/DT/Meter wise Load Survey, Instant profile/Power off/Temper/Event Occur/Supply off/Phase Missing/Over Voltage/Billing Profile of Consumers/meter mismatch/(Import/Export)/zero consumption.
- Facilitated regular review meetings with DISCOM teams by presenting analytically insights from MDM, HES, and NFMS systems.
- HES and MDM expert. Data analysis , NFMS Data flow. Provide application support to the field team and resolved their technical issues.
- Analysis of Non-Communication & Never Communication Meter & report submit to Client & HO.
- Implementation in HES/MDM& WFM as per client Requirement.
- Metering Mode Conversion(Forward mode to Net Mode).
- Handled Meter Swapping & Incorrect Account Id cases.
- WFM/HES/MDM Id Creation of Client user & Field staff.
- SAMADHAAN tickets logging for every issue.
- Preparation of different dashboard & report required by DISCOM.
- PPT Updating of (WRM/PRM) /UPPCL& JS Meeting.
- Analysis of DISCOM Energy Audit Report which includes Technical & Commercial Parameters such as infrastructure details, Metering status, Billing status, Billing Efficiency, Collection Efficiency ,Billing Percentage, Turn-up Ratio, Average Billing rate(Rs./Unit),Through Rate(Rs./Unit), Feeder wise Line Loss & AT&C losses.

2. Company : **Wapcos Limited**  
 Designation : **MIS/IT Expert**  
 Client : **Department of Power, Itanagar, Arunachal Pradesh**  
 Duration : **(July'2023 to Feb'2025)**



- Preparation of Tendering & SBD (Standard Bidding Documents) under Loss Reduction, AMISP & IT/OT for allotment of work to the vendors.
- Business Development, Tender Proposal Preparation & Pre-Bid Query preparation.
- Prepare & Analyze of DISCOM wise Consumer metering, DT Metering & Feeder Metering and submit report to MoP.
- Data related to Sanction Amount, Award cost, Loss reduction progress and Smart metering details updating on RDSS Portal.
- Communicate with DISCOM Official and Site Engineers deployed at Different Circles and Divisions.
- Demonstrated Expertise in Advance Metering Infrastructure (AMI), Head-End System (HES), Meter Data Management System (MDMS) and Smart Metering Technologies leveraging this knowledge to enhance project outcomes and Efficiency.
- Analysis of DISCOM Energy Audit Report which includes Technical & Commercial Parameters such as infrastructure details, Metering status, Billing status, Billing Efficiency, Collection Efficiency ,Billing Percentage, Turn-up Ratio, Average Billing rate(Rs./Unit),Through Rate(Rs./Unit), Feeder wise Line Loss & AT&C losses.
- Conducting Energy Audits of Urban/Rural Feeders on a Distribution Transformer(DT) basis
- Consumer & billing database analysis specially meter reading check and bill quantity check (Monthly).
- Attend meeting with clients and EPC Contractor regarding Project activities as and when required.
- Analysis of DISCOM Defaulters, Agricultural consumers & HT consumers.

3. Company : **REC Power Development & Consultancy Limited**  
 Designation : **Consultant & Team Incharge**  
 Client : **BEE, New Delhi & PVVNL Meerut,**  
 Duration : **(Oct.2014 to June.2023)**



- Monitoring MOP, CERC, MNRE, CEA, SERC, Regulatory policies, Regulations and Regulatory Information.
- Annual Energy Audit & Periodic Energy Accounting of Electricity Distribution Companies under the purview of Energy Conservation Act 2001.
- Analysis of Renewable Purchase Obligation (RPO) in DISCOM Energy. Analysis of Open access, Captive Plant, Power Purchase Agreements (PPA) of DISCOMS.
- Prepare & Analyze of DISCOM wise Consumer Metering & Feeder Metering and submit report to M.o.P.
- Preparation of Commercial Management System Information System (MIS) to accurate consumer tagging for Energy Auditing and Loss calculation.
- Analysis of DISCOM Energy Audit Report which includes Technical & Commercial Parameters such as infrastructure details, Metering status, Billing status, Billing Efficiency, Collection Efficiency and Feeder wise Line Loss & AT&C losses.
- Identifying loss pockets and enables remedial measures by DISCOM with the overall objective of accelerating the reduction of AT&C Losses across the country.
- Preparation and projection of Energy Losses for the area identified by PVVNL Officials for energy accounting up to DT level.
- Analysis of Billing Efficiency, Collection Efficiency, Billing Percentage, Turn Up ratio, Average Billing Rate (Rs./Unit), Through Rate (Rs./Unit) Zone, Circle, Division, Substation and Feeder level.
- Listing of action points (ATR) to be undertaken by respective divisions in the identified area for improvement and its tracking.
- Revenue protection: Data Analytic, AT&C loss, T&D loss, Technical loss.
- Monitoring actual Revenue generated Zone, Circle, Division, Substation and Feeder level.
- Analysis of high loss, Agriculture, Industrial, independent feeders and summary Report preparation.
- Detection of cases like Meter IDF, RDF, ADF, CDF etc.
- Monitoring and Supervision of RDSS/ IPDS/RAPDRP/NONRAPDRP Project works like new 11KV and LT line erection and HT, LT pole erection and installation of DTR, AB Cable laying, Meter installation etc
- Monitoring & Coordination of Third Party Inspection works across PAN India for various Govt. Schemes like RGGVY/DDUGJY etc.
- Site Inspection of Erection work of LT AB Cabling, Conductors, Pole and Transformers as per the approved SLD and GTP
- Verification of HOTO, JMS, BOQ & SLD prepared by the Contractors for running projects and schemes.
- Physical Verification & cross checking the items delivered w.r.t quality & quantity in accordance with the Project Offices.

4. Company : **Medhaj Techno Concept Pvt. Ltd.**  
 Designation : **Engineer Trainee (Electrical)**  
 Client : **MVVNL Meeru**  
 Duration : **(From Oct, 2013 – March .2014)**



- To provide services for implementation of Re-conductoring / Re-Strengthening of existing (33kV & 11 KV) Feeders & LT Lines.
- Route Survey, Preparation of BOQ and Layout Diagram.
- Quality and Quantity Inspection for the various rural power distribution project work coordinated by REC ltd.
- Attend meeting with client and EPC Contractor regarding Project activities as and when required.
- Maintained the DPR according to scheme of Projects.
- Coordinates with consultant, EPC contractor / sub-contractors periodically regarding the Progress of work at site.

- Data Preparation using demographic and behavioral data of consumers.
- Bridging the gap between demand and supply for the already identified/registered consumers.
- Preparation of Single Line Diagram of 33/11kV Sub-Station & Feeders.
- Inspection of actual work done by turnkey contractors with GPS (Global Positioning System) under Rajiv Gandhi Grameen Vidyut Karan Yojana (RGGVY 11th plan) for quality check of the work executed.

## EDUCATION

### **PGDM (Energy Management)**

MITSDE Pune, Maharashtra - 2023

### **Bachelor of Technology (Electrical Engineering)**

MJPRU, Bareilly, Uttar Pradesh - 2012

## COMPUTER/IT SKILLS

### **Microsoft Office**

Excel, Word, PowerPoint

## DECLARATION

I hereby declare that all the information provided above is true and correct as per my knowledge.

**PLACE: Agra.UP**

**MUSAWVIR ANSARI**