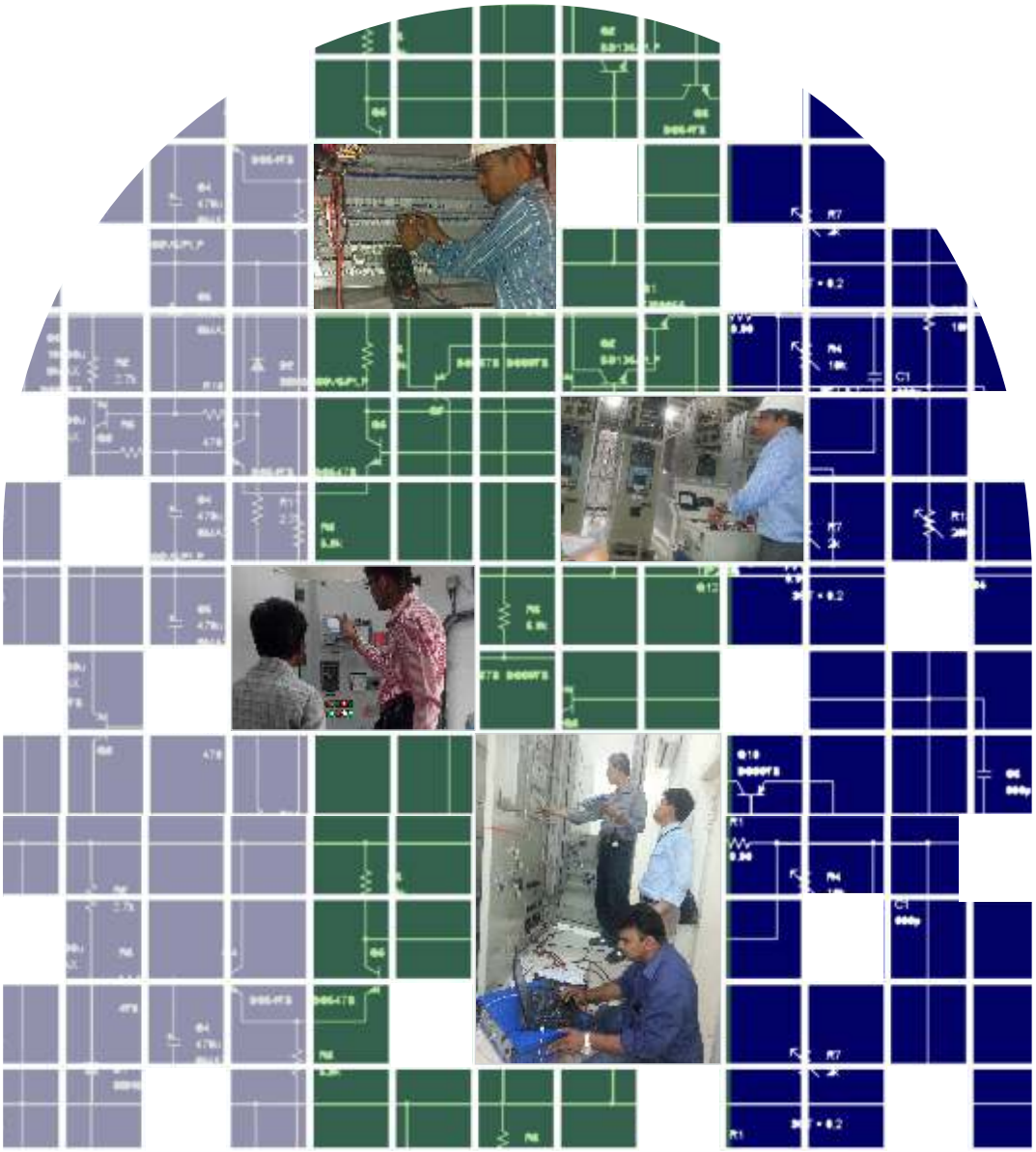
AKSHAR Lee PANT

The BRAINS behind the POWER !!



DESIGN & ENGINEERING

DESIGN

CONCEPTUALISING, DESIGN & ENGINEERING OF SUBSTATIONS / SWITCHYARDS

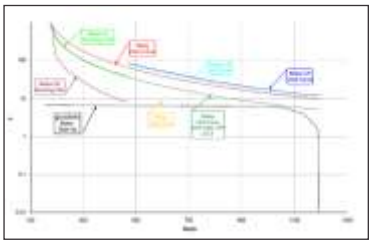
- Preparation of single line diagrams including protection, control and interface requirements.
- Layout drawings like Equipment layouts, Cable routing / Power layout Illumination system, Grounding & Lightning protection systems….
- Preparation of cable schedules, control schematics and interconnection diagrams, panel board schedules.
- CT/PT sizing calculation, Battery Sizing Calculation, Lighting Calculation and Distribution, Earthing Calculations, etc.

ENGINEERING SERVICES

SYSTEM STUDY & CALCULATIONS

- System study of power distribution system
- Short circuit calculation, Fault level calculation & load flow analysis.
- Preparation of cable schedules, control schematics and interconnection diagrams, panel board schedules.
- The Power System Studies shall be carried out by E-TAP (Electrical Transient Analyser Program) modules developed by OTI-USA . . E-TAP in the worlds most recognized electrical engineering software !

PROTECTION SYSTEM MODERNISATION, RETROFIT & REFURBISHMENT



- Protection scheme & systems like Differential, REF etc., up-gradation & modernisation.
- Revamping & retrofitting of switchgears, Ht80 L.T, relays etc. for up-gradation of the existing System with details engineering.

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Thinking Power

The BRAINS behind

TESTING & COMMISSIONING SERVICES

COMPLETE TESTING OF ELECTROMECHANICAL & STATIC RELAYS, NUMERICAL RELAYS , PROTECTION SCHEMES, OUTDOOR SUB - STATIONS, INDOOR SUB -STATIONS

Expertise in relays of all makes... GE, ENGLISH ELECTRIC, ALSTOM, SCHNEIDER, ALSTOM, AREVA, ABB, SIEMENS, JYOTI, EASUN REYROLLE, ASHIDHA ETC. Inspection, servicing, calibration of protctive and auxiliary relays including minor repairs.

- Restricted Earth Fault (REF) protection scheme for transformer.
- Transformer and generator differential protection scheme.
- Bus bar differential protection scheme.
- Pilot wire protection scheme for feeders.
- Synchronizing scheme for parallel operation of generator with Grid.
- Load Shedding Schemes for Grid islanding.
- Bus transfer scheme in independent, manual and auto.
- Power transformer.
- Current transformer & Potential transformer.
- Circuit breaker, Lightning arrester, Isolators, pole insulators, etc.
- NGR, NGT, Earth pit & grid, cables, etc.
- Control and relay panel, RTCC panel, Battery & Battery charger, etc.
- Distribution transformer.
- HT/LT switchgear, HT/LT cables, HT/LT motors.
- MCC, PCC, APFC, PDB, LDB, DCDB, Battery & Battery charger.

TESTING EQUIPMENTS

- Primary injection kits up to 2000A, Secondary injection kits (T 1000 TD)
- Contact resistance kit & time interval meter (Scope make)
- Transformer winding resistance & turn ratio meter (Eltel make)
- Oil BDV testing kit (Motorised)
- Cable high pot test kit (up to 80KV)
- HT & LT Insulation tester, Earth megger, etc.
- Vibration Analyzer
- Tan delta Measurements & SFRA
- Power Quality Analyzer
- Omicron CMC 256 plus relay test kit
- ELCB Tester

the POWER !!

LIST OF IMPORTANT CLIENTS

GM
PRISM CEMENT
THERMAX
सेल SAIL
MG
ABB
JINDAL
TOPAZ
BSNL Connecting India
adani Adani Ports and Special Economic Zone Ltd
Lubrizol
BOMBARDIER
GALLANTT
GUNNEBO
RUBACO SARL "Tout Type de Forage"
RPG
INOX AIR PRODUCTS
SOMIKA Société Miniere du Katanga
Terra S.P.R.L.
OM RESOURCE D.R. CONGO
CAPARO
adani Power
NAYARA ENERGY
TDW T.D. Williamson, Inc.
Atul enriching lives...
GOLDEN AFRICAN RESOURCES
Hettich
WELCOMHOTEL
GUJARAT STATE FERTILIZERS & CHEMICALS LIMITED
SIEMENS
Handyman's Lime
AERZEN
TBEA Always Reliable
CSCI CHINA SHIPBUILDING CORPORATION INDIA
Bhilosa Industries Pvt. Ltd.
Godrej | INDUSTRIES
CAIRN
TOSHIBA Leading Innovation >>>
ENVOY GROUP RECIPE OF A WINNING COMBINATION
Tecnimont
Amul The Taste of India
Phillips Carbon Black Limited
ANCHOR by Panasonic
INEOS STYROLUTION
NIRMA
KOHLER

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