

## **List of Local Field Services Projects**

**2006 to 2021**

Local Testing and Commissioning Projects performed during last Years

**1. Sapphire Power Plant, Mureedkay (SEP 2020) AYD,MUS,MKA,SHA,MBA**

Testing of Protection Relays

**2. NPGCL, Muzaffargarh (SEP 2020) RAA**

Supervision of D60 Relays Commissioning

**3. DG Cement, DG Khan (SEP 2020) ABW,MAK,ADY**

Testing & Commissioning of Transformer Control & Relay Panels

**4. SOLAR System, Keti Bunder Karachi (SEP 2020) ZSK**

Installation & Commissioning of Solar System

**5. FFC, Goth Machi (July 2020) MBA**

DGA Test of Transformers oil

**6. Engro Fertilizers, Daharki (July 2020) MBA**

DGA Test of Transformers oil

**7. Pioneer Cement, Jauharabad (July 2020) MBA**

DGA Test of Transformers oil

**8. Packages Pvt Ltd, Lahore (July 2020) AYD,MBA**

Testing of Relays & Breaker

**9. FFC, Mirpur (July 2020) MBA**

DGA Test of Transformers Oil

**10. Packages Pvt Ltd, Lahore (June 2020) SHA**

DGA & Di-Electric Test of Transformers Oil

**11. DG Cement, DG Khan (May 2020) ZSK**

DGA Test of Transformer Oil

**12. Punjab Beverages,Faisalabad (Feb 2020) WHR,ZSK,SHA,MBA**

Testing of relays and breakers of switchgears

**13. Quaid e Azam Solar Park, BAHAWALPUR (MAR 2020) AYD**

Testing of relays

**14. Bhikki Power Plant, (Feb 2020) ABW,WHR,ZSK,MBA**

Testing of relays

**15. CFPP,Joharabad (Feb 2020) MKA,MAK**

Commissioning of Metering Panel

**16. Fatima Fert,Sheikhupura (JAN 2020) MUS,WHR**

Testing & Commissioning of relays.

**17. KAPCO, Kot Addu (DEC 2019) RAA, WHR**

Testing of relays

**18. Saif power plant (DEC 2019) MUS,SHA,MBA**

Testing of relays

**19. Haveli bahadar shah power plant (DEC 2019) SHA, MBA**

DGA of transformers

**20. Layyah Sugar Mill (NOV 2019) RAA, WHR**

Testing of relays

**21. Saif power plant (NOV 2019) ZSK**

DGA of transformers

**22. FFC, Mirpur Mathelo plant, (NOV 2019) ZSK**

Cables testing and DGA

**23. Lalpir power plant, Muzafargarh (NOV 2019) RAA,MKA,WHR,MAK,MBA**

Testing of relays & Retrofit of Fault Locator.

**24. DGA Balloki power plant (NOV 2019) SHA, ADY**

DGA of transformers

**25. UCH power plant, Dera murad jamali (OCT 2019) RAA,WHR,ZSK**

Testing of breakers and relays

**26. DGA Fatima Energy (OCT 2019) MBA,SHA**

DGA of transformers

**27. Tarbela Retrofit (November 2018 To September 2019)**

Retrofit of over current Relays.

**28. DGA Haveli bahadarshah plant (SEP 2019) ABW, MBA**

DGA of transformers

**29. Harmonic Analysis DG cement, Dera ghazi khan (AUG 2019) (WHR)**

Harmonic Analysis.

**30. DGA FFC, Mirpur Mathelo (July 2019) ZSK, MBA**

DGA of transformers

**31. VCB Testing and DGA ARL, Rawalpindi (July 2019) HSC, MKA, ADY**

Testing of breakers and DGA of transformers

**32. Retrofit of MIFII at Pakistan Oxygen (June 2019)**

Replacement of 01 No of MIFII with VAMP40.

**33. Commissioning of relay panels at Ghatti, Faisalabad (May2019-June2019)  
HSC,RAA,WHR,ZSK,MAK,ADY**

Commissioning of relay and control panels

**34. DGA & Di-electric test At Askari Cement (June 2019)**

DGA No of Samples & Di-electric test At Askari Cement.

**35. Retrofit of L90 Relay Installation (March-April 2019)**

L90 Relay Installation for Orange Line Train Project Lahore.

**36. G60 Relay Testing at Halmore-Bhikki Power Plant (April 2019)**

Testing of Qty. 02 G60 Relay Testing.

**37. Relay Testing at Fatima Fert Sheikhupura (March 2019)**

DGA of 05 no of Oil Samples.

**38. DGA at CCI Multan(February 2019)**

DGA of 03 no of Oil Samples.

**39. DGA at Fatima Fert Sheikhupura (February 2019)**

DGA of 05 no of Oil Samples.

**40. DGA at Fatima Fertilizer Sadiqabad (February 2019)**

DGA of 68 no of Oil Samples.

**41. DGA at Fatima Fertilizer Sadiqabad (February 2019)**

DGA of 68 No. of Oil Samples

**42. DGA at CCI Multan (February 2019)**

DGA of 03 No. of Oil Samples

**43. Packages Lahore Testing (December 2018 to February 2019)**

Testing of Vacuum & Oil Circuit Breakers and Relays at Packages Lahore.

**44. Relay Communication and Server Installation at Tarbela Power Plant (February 2019)**

Relay Communication Equipment, Ethernet Switch, Fiber Optic, Ethernet Cable, Media Converter and Server Installation.

**45. FFC Mirpur Mathelo (February 2019)**

Testing of 01 No. of G30 Generator Protection Relay Testing

**46. Ghazi Grid (January To February 2019)**

ER & FR Commissioning

**47. Retrofit Job at CFPP Joharabad (January 2019)**

P94VP Relay make ALSTOM Retrofit.

**48. Firmware Up Gradation of 869 Relays at FFBL (January 2019)**

Firmware Up Gradation & RTD Wiring of 10 No.s of 869 Motor Protection Relays.

**49. Pak Arab Fertilizer Multan (January 2019)**

- Testing of 03 No.s of G30 Relays
- Primary Injection and Verification of 18 CTs

**50. Bestway Cement Hattar(December 2018)**

Maintenance and Testing of 132kV SF6 Breaker.

Transformer Protection Panel Retrofit.

**51. FCCL DGA Testing (December 2018)**

DGA of 40 Samples.

**52. DGA at Fauji Cement Rawalpindi (November 2018)**

DGA of 03 no. of samples of Oil Transformer.

**53. Orient Power Plant Balloki Testing (November 2018)**

Testing of 26 MV Vacuum Circuit Breakers and 21 Surge Arresters.

**54. HUBCO Relay Testing (November 2018)**

Testing of 89 Generator Protection and 36 Transformer Protection Relays.

**55. G60 Relay Testing at BQPS-II Karachi (October, December 2018)**

04 No. Of Generator Protection G60 Relay Testing

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**56. Pioneer Cement Limited (October 2018)**

DGA of 2 No. Transformers (Qty of 04samples).

**57. BQPL Relay testing (October 2018)**

Testing of 2 Qty of Generator Protection relays.

**58. Pakgen & Lalpir Power Plant (September, October 2018)**

- Pakgen relay testing of Transformers and Generator Protection Panels.
- C & DF and Winding resistance test for Transformers and Surge Arresters.
- WR and DGA of 1 No. of Transformer (Qty of 01 Samples )

**59. DG Cement (September 2018)**

DGA of 23 No. Transformers (Qty of 25 samples).

**60. DGA at DG Cement (September 2018)**

DGA of 23 sample of Oils for Oil Transformers.

**61. Relay Testing at PAKGEN Power Plant (September 2018)**

Testing of all the relays at PAKGEN Power Plant..

**62. FFCEL Jhimpir (August 2018)**

- DGA of 2 no. of Transformers
- Testing of 2 no. of breakers

**63. Saba Power Plant (August 2018)**

DGA of 2 No. Transformers (Qty of 03 samples).

**64. DESCON DGA Gharo (July 2018)**

DGA of 8 No. Transformers (Qty of 12 samples).

**65. Attock Refinery DGA (July 2018)**

DGA of 2 No. Transformers (Qty of 2 samples).

**66. Maple Leaf Power Plant (July 2018)**

P343 relay and energy meter testing at panels.

**67. Maple Leaf Cement (June 2018)**

DGA of 4 No. Transformers (Qty of 9 samples).

**68. ICI Soda Ash Khewra (May 2018)**

05 samples of 04 power transformers at ICI Soda Ash Khewra, Pakistan.

**69. Attock Refinery (May 2018)**

03 samples of 03 power transformers at Attock Refinery Attock, Pakistan.

**70. Transformer Oil Leakage FFCEL Wind Energy Jhambir (May 2018)**

Transformer Bushing gas kit replacement, Dehydration, Oil dielectric strength, Insulation resistance and Oil DGA.

**71. FFBL Motor Protection Retrofit (December 2017, January-February 2018, April, May 2018)**

- Upgradation of 04 No. Of 869 relays.
- Firmware upgrade of 02 No. of Motor protection relays 869 make GE from version 2.0 to 2.20 and to identify the RTD open issue at FFBL.
- Replacement of PS459 motor protection relay make AEG with 869 motor protection relays make GE.

**72. KE MIBII Retrofit (December 2017, January 2018, April 2018)**

Retrofit job for changing the 02 No. of MIBII relays from old ones to new ones.

High impedance busbar relay replacement.

**73. HEC DGA (April 2018)**

DGA of 01 No. of transformer for 01 sample.

**74. Retrofit Job for L90 installation (February-March, June 2018)**

Busbar replacement and retrofit job and testing and commissioning

**75. Bulleh Shah Packages (February-March 2018)**

Generator Protection relay testing of Siemens.

**76. KEPCO Relay Testing (March 2018)**

Generator, Transformer, line protection and breaker failure relays testing

**77. FFC G60 Relay Testing (February 2018)**

Generator, Transformer, line protection and breaker failure relays testing

**78. TBEA DGA (January 2018)**

DGA of 17 No. of transformers for 24 samples.

**79. Gwadar Cables High Port (December 2017)**

HV Cables testing of Gwadar Port.

**80. HUB POWER PLANT KARACHI (October 2017)**

Installation and commissioning of Hydran 201i.

**81. LAL PEER (October 2017)**

Testing of protection relays.

**82. RYK SUGAR MILL (October 2017)**

Testing of G60 relays.

**83. FFCL SADIQABAD (September 2017)**

DGA of 63 No. of transformers for 63 samples.

**84. KE Retrofit Project (July-October 2017)**

Retrofit job of D60 relays.

**85. Bin qasim power plant (July 2017)**

Testing of EPM9650 Energy meters testing

**86. Fatima Fertilizer Company:(March 2017)**

Testing of Generator Protection Relay make Siemens..

**87. K-Electric:( Feb 2017)**

Commissioning and Testing of Line Protection Relays.

**88. Lalpir Power Plant:(Feb 2017)**

Testing of Fault Locator.

**89. ECS Wiring Modification, Haveli Bahadur Shah Plant:(Feb 2017)**

Wiring modification in ECS panel.

**90. Pakgen Power Plant:(Nov 2016)**

Testing of all Plants HV protection relays of including Generator, Transformer, Bus Coupler, Bus bar Protection Relays and all type of transducers along with energy meters.

**91. KAPCO(Nov 2016)**

Relay Testing in KAPCO Power Plant.

**92. 220kV KotAddu Power Company, Muzaffargarh:(Nov 2016)**

Commissioning of MarshallingKiosk and Inter face panel in 220 kV switch yard.

**93. Lalpir Power Plant:(Oct 2016)**

Commissioning and testing of transformer protection relay make ALSTOM.

**94. TNB Liberty Power Plant:(Oct 2016)**

Commissioning of 01 No. of Transfix unit.

**95. SIEMENS USM/GSM:(Oct 2016)**

Commissioning of Transducers.

**96. HUBCO:(Sep 2016)**

Commissioning of Hydran unit.

**97. TNB Liberty:(Aug 2016)**

Testing of Relays.

**98. 220kV KotAddu Power Company, Muzaffargarh:(May 2016)**

Commissioning of 3 No. of MarshallingKiosk and 1 Inter face panel in 220 switchyard.



**99. Attock Cement, Hub Baluchistan:(April2016)**

Functional testing of Feeder and Generator protection relays make ABB.

**100. 500kV Rouch Power plant:(March 2016)**

Testing of all Siemen's make Protection relays installed in the Power plant including bus bar, line, Generator, Breaker failure and Transformer Protection relays.

**101. 132kV Saif Power Plant:(March 2016)**

Testing of all Plant Protection Relays including Generator, Motor, Transformer, Bus bar, Breaker failure and Line Protection relays and related transducers for 132kV system.

**102. Fauji Fertilizer Company Goth Machi, Sadiqabad:(March 2016)**

Commissioning of 2 No. of G60 relays

**103. ENGRO Polymer and Chemicals, Karachi :(February 2016)**

Testing of 08 Nos. of Feeder Protection Relays make ABB and 01 No of Energy Meter type 1250 make NEXUS.

**104. Bin Qasim Power Plant, Karachi :(January 2016)**

Training and Commissioning of Hydran M2 and Transport X.

**105. KotAddu Power Company Limited, Muzafargarh:(January 2016)**

Installation, Interfacing, Testing and Commissioning of 02 Nos. of Marshalling Kiosk Panels for 220kV Line and Transformer Bays.

**106. 22 MW Hydro Electric Power Plant, Dargai:(January 2016)**

Modification in Control, Relay and SCADA Interface Panels for Contact Multiplication which includes design, installation, termination and Testing.

**107. Fauji Fertilizer Bin Qasim, Karachi:(January 2016)**

Testing & Commissioning of Generator Protection Relay type G30 make GE. Scope included secondary injection testing and startup of Gas turbine after commissioning.

**108. Lalpir Power Limited, Muzafargarh:(November 2015)**

Primary Testing of 220 kV Switchyard CTs and VTs.

**109. Lalpir Power Limited, Muzafargarh:(November 2015)**

Testing of all Plants HV protection relays of including Generator, Transformer, Bus Coupler, Bus bar, Motor & Feeder Protection Relays and all type of transducers along with energy meters.

**110. 220kV Uch Power Plant, Balochistan: (November 2015)**

Functional testing of line protection and breaker failure relays.

**111. Fatima Fertilizer, Sadiqabad: (November 2015)**

Functional Testing of Generator, Feeder and Motor Protection Relays with secondary injection test set.

**112. UCH Power Limited, UCH: (October 2015)**

Functional Testing of Transmission Line Primary and Backup Protection Relays, Circuit Breaker Failure Relays, Fault Locators and Transducers make GEC ALSTHOM, ABB and Siemens during annual shutdowns.

**113. ORIENT Power Company Limited, Balloki: (September 2015)**

Testing of 132 kV Vacuum Circuit Breaker.

**114. Pakgen Power Limited, Muzafargarh: (September 2015)**

Primary Testing of 220 kV Switchyard CTs and VTs.

**115. KotAddu Power Company Limited, Muzafargarh: (September 2015)**

Functional Testing of single function Generator Protection Relays make GEC ALSTHOM.

**116. Zoenergy Co. Ltd, 100 MW Quid-e-Azam Solar Park, Bahawalpur: (September 2015)**

Supply, Installation, Testing and Commissioning of 2 Nos. of Line Differential Protection Panels with 02 Nos. of Line Differential Relays L90 make GE.

**117. Karachi Electric, Karachi: (August 2015)**

Testing and Inspection of Transformer Protection System T60 make GE.

**118. ENGRO Polymer and Chemicals, Karachi: (August 2015)**

Comprehensive Functional Testing and Calibration of 01 No. of Energy Meter Type 1250 make NEXUS.

**119. Faisalabad Electric Supply Company, Faisalabad: (July 2015)**

Wiring and Setting Configuration for 01 No. of newly installed Transformer Protection Relay SR345 make GE.

**120. Bin Qasim Power Station 2, Karachi: (April 2015)**

Installation, Configuration and commissioning of 03 units of Online DGA

Analyzer type Hydran M2 make GE.

**121. Engro Chemicals, Deharki:(April 2015)**

Comprehensive Functional Testing of 2 Nos. Generator Protection Relay type G60 make GE.

**122. Fauji Fertilizer Company at Gothmachi(April, 2015)**

Commissioning of 02 Nos of G60 relays.

**123. RYK Mills:(Feb, 2015)**

Commissioning of in house manufactured generator protection panels. Testing & commissioning of generator protection panels, interface verification then Auto synchronization with the HV side.

**124. 220kV Liberty Power Plant, Daherki:(Feb, 2015)**

Up gradation of existing generator protection electrostatic relays with the numerical relay type G60 make GE.

**125. 220kV Orient Power Plant, Balloki:(Feb 2015)**

Testing of all plant protection relays including Bubsar, Generator, Line, Transformer, Feeder, Motor and Synchronization relays make Siemens.

**126. Fauji Fertilizer Bin Qasim Limited:(Jan 2015)**

Up gradation of existing generator protection relay type DGP with the new relay type G30 make GE.

**127. Terbaila Power Generation:(Dec, 2014)**

Commissioning of 02 Nos of reverse power relays MIWII make GE.

**128. Korangi Power Station:(Dec, 2014)**

Commissioning of Generator Protection Panel for steam turbine generator. Testing & commissioning of generator protection panel, interface verification with instrument and excitation panel, primary testing of the generator then auto synchronization of the generator with 220kV side through Step up Transformer.

**129. TNB Liberty Plant, Dharaki(June 2014)**

Settings modification, Installation, Testing and commissioning of GE Make

Generator Protection System Type G60

**130. 220kV AES PAKGEN Power Plant, Muzaffar Garh(April 2014)**

Testing of almost 300 relays of Generator, Transformer, Transmission Lines, Busbar, Motors & Feeder Protection Relays along with relevant Transducers & Energy Meters, Transformer testing at Lalpir Power Plant.

**131. 220kV Grid Station KDA, Karachi(April 2014)**

Testing and Commissioning of Low Impedance Bus Bar Protection Relay type P746 make ALSTOM.

**132. Fatima Fertilizer Power Generating Station, Sadiqabad(April 2014)**

Testing of Generator, Transformer, Busbar, Motor & Feeder Protection Relays at Fatima Fertilizer Company Limited.

**133. Fauji Fertilizer Company Limited(May 2014)**

Performed Dissolved Gas Analysis of 02 No Power Transformers rating 3.5kva using Transport-X

**134. 500kV TARBELA Power House, Tarbela(2013)**

Replacement and Commissioning of generator protection relay type G30 make GE for hydel turbine unit.

**135. 132kV Orient Power Plant Balloki(2013)**

Contact resistance, timing, insulation resistance and power factor testing for 10 Nos. of 132kV SF6 breakers & 10 Nos. of 11kV breakers.

**136. 500kV Sheikh Mohammadi Grid Station, Peshawar(2013)**

Designing, Setting modification, replacement, manufacturing modification, supervision of cable laying & termination and commissioning work for relay, control, synchro check & ACDC panels at sheikh mohammadi grid station rehabilitation work.

**137. 220kV Lalpir Power Plant, Muzaffar Garh(2013)**

Testing of Generator, Transformer, Transmission Lines, Busbar, Motors & Feeder Protection Relays along with relevant Transducers & Energy Meters at Lalpir Power Plant.

**138. DGA Analysis of Power Transformers(2013)**

Dissolved Gas Analysis of 08 No Power Transformers at NishatChunian Power Plant, Nishat Power Plant, Pattoki and 04 No Power Transformers at Liberty Power Plant Faisalabad.

**139. Zorlu Windfarm Project, Jhampir(2013)**

Commissioning of DGA Analyzer type Transfix make GE for 2 No Power Transformers at Zorlu Windfarm Project.

**140. Fatima Fertilizer Power Generating Station, Sadiqabad(2013)**

Testing of Generator, Transformer, Busbar, Motor & Feeder Protection Relays at Fatima Fertilizer Company Limited.

**141. 132 kV Liberty Power Limited, Deharki(2013)**

Testing of all 02 Generators, 02 Power Transformers, 06 Transmission Lines& 6.6kV MV Switchgear Protection Relays at 220kV Liberty Power Limited.

**142. Fatima Fertilizer Power Generating Station, Sadiqabad(2012)**

Testing of all 02 Generator Management Protection System and relevant equipment for gas turbine units.

**143. MOL Pakistan Oil & Gas Company B.VKark(2012)**

Testing of all 04 Generator Management Protection and 12 Nos. of Circuit Breakers at Karak Block.

**144. 132kV Saif Power Plant Qadar-Abad(2012)**

Testing of all 06 Transmission, 03 Generators,08 Motors,04 Power and Auxiliary Transformers, 6.6kV MV Switchgear Protection relays and related transducers at 132kV Saif Power Plant.

**145. 500kV TARBELA Power House, Tarbela(2011,2012)**

Settings Modification, Installation, Testing and Commissioning of Control panel for 500kV/220kV, 79MVA Power Transformer installed at Tarbela Power House. Installation, Testing and commissioning of Synchro Check Panel for 500kV Transmission Lines at Tarbela Power House

**146. 132kV Janah Hydro Project, Kalabagh(2011)**

Installation, Testing and Commissioning of Line Differential Panels installed at 132kV JanahHydrdo Project Kalabagh.

**147. 220kV UCH Power plant, - Balochistan(2007~ 2011)**

Installation, Testing and commissioning of GE Make Gas Analyzer and moisture monitoring unit Type HYDRAN M2 installed at 220kV Power Transformers.

**148. 132kV Orient Power Plant Balloki(2011, 2012)**

Testing of MWatt, MVar , Current, Voltage and Frquency Transducers installed at 132kV Orient Power Balloki. Testing of Generator Protection Relays.

**149. 220kV AES Power Plant Lalpir, Muzaffar Garh(2011)**

Problem Rectification, Testing and Commissioning of Power Factor improvement Plant at 220kV AES Lalpir.

**150. 220kV UCH Power plant, Naseerabad- Balochistan(2011)**

Settings modification, Installation, Testing and commissioning of GE Make Generator Protection System Type G60 against already installed type DGP.

**151. Fatima Fertilizer Power Generating Station, Sadiqabad(2011)**

Installation, Deployment Testing and Commissioning of GE M Power Automation System for Fatima Fertilizer Sadiqabad

**152. 220kV UCH Power plant, Naseerabad- Balochistan(2004 ~ 2011)**

Testing of all 04 Transmission, 04 Generators,12 Motors,06 Power and Auxiliary Transformers,09 sets of Circuit Breaker, their relevant Protection Relays and related transducers at 220kV UCH Power against LTSA.

**153. 220kV AES Power Plant Lalpir, Muzaffar Garh(2010)**

Testing of Electrical Protection Relays and related instruments for Generators, Transformers, Transmission lines and circuit Breakers.

**154. 500kV ESBI Rousch Power Plant, Khanewal(2006 & 2010)**

Testing of Electrical Protection Relays and related instruments for Generators, transformers, Transmission lines and circuit Breakers.

**155. 132 kV FKPCL Power Plant, Khanewal(2004 & 2010)**

Testing of Electrical Protection Relays for two gas turbine units.

**156. Pakarab Fertilizer Power Generating Station, Multan(2009)**

Commissioning of 03 Nos. of Generator Protection, Metering, Control and synchronizing system for Power Gas Turbines.

**157. Fatima Fertilizer Power Generating Station, Sadiqabad(2009)**

Commissioning of 02 Nos. of Generator and Motor Protection, Metering, Control and synchronizing system for Power Gas Turbines.

**158. Engro Chemicals Power Generating Station, Deharki(2009)**

Commissioning of Generator Protection, Metering, Control and synchronizing system for Power Gas Turbines.

**159. Engro Chemicals Power Generating Station, Deharki(2007& 2009)**

Replacement and Commissioning of 02 Nos. of Generator Protection, Relays for Power Gas Turbines.

**160. 220 kV AES Power Generation Plant, Lalpir(2005 & 2010)**

Installation, Testing & Commissioning of GE make PFI Plants on 11.5 kV Steam turbine Power Generating Units. Testing of GE Make PFI Plant for 11.5 kV Steam turbine Power Generating Units.

**161. 132 kV Saba Power Plant, Farooqabad(2005, 2006, 2009)**

Testing of electrical protection relays for steam turbines and transmission lines.

**162. 132 kV Liberty Power Plant, Deharki(2006, 2009)**

Testing of electrical protection relays for two gas turbine units

**163. 132 kV HCPC Power Plant Quetta(2006)**

Testing of electrical protection relays for gas turbine units and transmission lines.