









































Electrical & Mechanical Completed Projects






Project Description	Scope of Work								
<p data-bbox="213 450 762 618">WB-8B-2020: Design Supply and Installation of Extension Works at 220kV Rohri Grid Station & Augmentation works at 220kV Daharki and 220kV Bahawalpur Grid Station</p> <table border="1" data-bbox="209 622 767 1715"> <tr> <td data-bbox="209 622 488 972"> <p data-bbox="312 781 384 808">Client</p> </td> <td data-bbox="488 622 767 972">  <p data-bbox="515 797 738 931">NTDC (National Transmission & Despatch Company)</p> </td> </tr> <tr> <td data-bbox="209 972 488 1245"> <p data-bbox="284 1093 413 1120">Consultant</p> </td> <td data-bbox="488 972 767 1245">  <p data-bbox="515 1149 738 1211">Barqaab Consulting Service Pvt Ltd</p> </td> </tr> <tr> <td data-bbox="209 1245 488 1435"> <p data-bbox="284 1308 413 1370">Main Contractor</p> </td> <td data-bbox="488 1245 767 1435">  <p data-bbox="515 1339 738 1402">Siemens (Pakistan) Engineering Co. Ltd</p> </td> </tr> <tr> <td data-bbox="209 1435 488 1715"> <p data-bbox="256 1543 440 1606">ETC Sub-Contractor</p> </td> <td data-bbox="488 1435 767 1715">  <p data-bbox="528 1563 727 1693">ZEC (Zain Engineering Company Private Limited)</p> </td> </tr> </table>	<p data-bbox="312 781 384 808">Client</p>	 <p data-bbox="515 797 738 931">NTDC (National Transmission & Despatch Company)</p>	<p data-bbox="284 1093 413 1120">Consultant</p>	 <p data-bbox="515 1149 738 1211">Barqaab Consulting Service Pvt Ltd</p>	<p data-bbox="284 1308 413 1370">Main Contractor</p>	 <p data-bbox="515 1339 738 1402">Siemens (Pakistan) Engineering Co. Ltd</p>	<p data-bbox="256 1543 440 1606">ETC Sub-Contractor</p>	 <p data-bbox="528 1563 727 1693">ZEC (Zain Engineering Company Private Limited)</p>	<p data-bbox="794 253 1169 280">220kV Grid Station Bahawalpur</p> <ul data-bbox="794 286 1385 1077" style="list-style-type: none"> • Dismantling of Existing 01 No Transformer of 160MVA. • Installation, Erection, Testing and Commissioning of 01 No Transformer of 250MVA. • Installation, Erection, Testing, and Commissioning of Gantries. • Installation, Erection, Testing, and Commissioning of Equipments. • Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). • Installation, Erection, Testing and Commissioning of Protection Relays. • Complete Power/Control Cable Laying, Termination, Testing and Commissioning. • Steel Structure, and Cable Tray Work. • Installation and Testing of Grounding System. • Bus Bar Work <p data-bbox="794 1084 1121 1111">220kV Grid Station Daharki</p> <ul data-bbox="794 1117 1385 1547" style="list-style-type: none"> • Dismantling of Existing 01 No Transformer of 160MVA. • Installation, Erection, Testing and Commissioning of 01 No Transformer of 250MVA. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Protection Relays. • Complete Power/Control Cable Laying, Termination, Testing and Commissioning. • Steel Structure, and Cable Tray Work. • Installation and Testing of Grounding System. <p data-bbox="794 1554 1098 1581">220kV Grid Station Rohri</p> <ul data-bbox="794 1588 1385 1973" style="list-style-type: none"> • Installation, Erection, Testing and Commissioning of 01 No Transformer of 250MVA. • Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). • Installation, Erection, Testing and Commissioning of Protection Relays.
<p data-bbox="312 781 384 808">Client</p>	 <p data-bbox="515 797 738 931">NTDC (National Transmission & Despatch Company)</p>								
<p data-bbox="284 1093 413 1120">Consultant</p>	 <p data-bbox="515 1149 738 1211">Barqaab Consulting Service Pvt Ltd</p>								
<p data-bbox="284 1308 413 1370">Main Contractor</p>	 <p data-bbox="515 1339 738 1402">Siemens (Pakistan) Engineering Co. Ltd</p>								
<p data-bbox="256 1543 440 1606">ETC Sub-Contractor</p>	 <p data-bbox="528 1563 727 1693">ZEC (Zain Engineering Company Private Limited)</p>								
















	<ul style="list-style-type: none">• Complete Power/Control Cable Laying, Termination, Testing and Commissioning.• Steel Structure, and Cable Tray Work.• Installation and Testing of Grounding System.
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Project Description	Scope of Work								
<p data-bbox="209 360 762 528">WB-7D-2020: Design, Manufacture, Supply, Installation, Testing and Commissioning of Extension Works at 220kV Daud Khel Grid Station & Augmentation works at 220kV Bannu Grid Station</p> <table border="1" data-bbox="209 533 767 1626"> <tr> <td data-bbox="209 533 488 882"> <p data-bbox="312 689 384 719">Client</p> </td> <td data-bbox="488 533 767 882">  <p data-bbox="512 707 735 842">NTDC (National Transmission & Despatch Company)</p> </td> </tr> <tr> <td data-bbox="209 882 488 1155"> <p data-bbox="280 999 408 1028">Consultant</p> </td> <td data-bbox="488 882 767 1155">  <p data-bbox="504 1021 743 1088">National Engineering Services Pakistan</p> </td> </tr> <tr> <td data-bbox="209 1155 488 1346"> <p data-bbox="280 1211 408 1279">Main Contractor</p> </td> <td data-bbox="488 1155 767 1346">  <p data-bbox="512 1245 743 1312">Siemens (Pakistan) Engineering Co. Ltd</p> </td> </tr> <tr> <td data-bbox="209 1346 488 1626"> <p data-bbox="248 1447 440 1514">ETC Sub-Contractor</p> </td> <td data-bbox="488 1346 767 1626">  <p data-bbox="520 1469 727 1603">ZEC (Zain Engineering Company Private Limited)</p> </td> </tr> </table>	<p data-bbox="312 689 384 719">Client</p>	 <p data-bbox="512 707 735 842">NTDC (National Transmission & Despatch Company)</p>	<p data-bbox="280 999 408 1028">Consultant</p>	 <p data-bbox="504 1021 743 1088">National Engineering Services Pakistan</p>	<p data-bbox="280 1211 408 1279">Main Contractor</p>	 <p data-bbox="512 1245 743 1312">Siemens (Pakistan) Engineering Co. Ltd</p>	<p data-bbox="248 1447 440 1514">ETC Sub-Contractor</p>	 <p data-bbox="520 1469 727 1603">ZEC (Zain Engineering Company Private Limited)</p>	<p data-bbox="791 248 1158 277">220kV Grid Station Daud Khel:</p> <ul data-bbox="791 286 1382 965" style="list-style-type: none"> • Installation, Erection, Testing and Commissioning of 01 No Transformer of 250MVA. • Installation, Erection, Testing, and Commissioning of Gantries. • Installation, Erection, Testing, and Commissioning of Equipments. • Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). • Installation, Erection, Testing and Commissioning of Protection Relays. • Complete Power/Control Cable Laying, Termination, Testing and Commissioning. • Steel Structure, and Cable Tray Work. • Installation and Testing of Grounding System. <p data-bbox="791 974 1110 1003">220kV Grid Station Bannu:</p> <ul data-bbox="791 1012 1382 1796" style="list-style-type: none"> • Dismantling of Existing 02 No Transformers of 160MVA. • Installation, Erection, Testing and Commissioning of 02 No Transformers of 250MVA. • Installation, Erection, Testing, and Commissioning of Gantries. • Installation, Erection, Testing, and Commissioning of Equipments. • Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). • Installation, Erection, Testing and Commissioning of Protection Relays. • Complete Power/Control Cable Laying, Termination, Testing and Commissioning. • Steel Structure, and Cable Tray Work. • Installation and Testing of Grounding System. • Bus Bar Work
<p data-bbox="312 689 384 719">Client</p>	 <p data-bbox="512 707 735 842">NTDC (National Transmission & Despatch Company)</p>								
<p data-bbox="280 999 408 1028">Consultant</p>	 <p data-bbox="504 1021 743 1088">National Engineering Services Pakistan</p>								
<p data-bbox="280 1211 408 1279">Main Contractor</p>	 <p data-bbox="512 1245 743 1312">Siemens (Pakistan) Engineering Co. Ltd</p>								
<p data-bbox="248 1447 440 1514">ETC Sub-Contractor</p>	 <p data-bbox="520 1469 727 1603">ZEC (Zain Engineering Company Private Limited)</p>								






Project Description		Scope of Work
<p align="center">WB-7A-2020: Augmentation Works at 220kV Grid Station Samundari Road and 220kV Ghakkar Grid Station</p>		<p>220kV Grid Station Samundari Road:</p> <ul style="list-style-type: none"> Dismantling of Existing 02 No Transformers of 160MVA. Installation, Erection, Testing and Commissioning of 02 No Transformers of 250MVA. Installation, Erection, Testing, and Commissioning of Gantries. Installation, Erection, Testing, and Commissioning of Equipments (Circuit Breakers and etc). Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). Installation, Erection, Testing and Commissioning of Protection Relays. Complete Power/Control Cable Laying, Termination, Testing and Commissioning. Steel Structure, and Cable Tray Work. Installation and Testing of Grounding System. Bus Bar Work <p>220kV Grid Station Ghakkar:</p> <ul style="list-style-type: none"> Dismantling of Existing 02 No Transformers of 160MVA. Installation, Erection, Testing and Commissioning of 02 No Transformers of 250MVA. Installation, Erection, Testing, and Commissioning of Gantries. Installation, Erection, Testing, and Commissioning of Equipments (Circuit Breakers and etc). Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). Installation, Erection, Testing and Commissioning of Protection Relays. Complete Power/Control Cable Laying, Termination, Testing and Commissioning. Steel Structure, and Cable Tray Work. Installation and Testing of Grounding System. Bus Bar Work
Client	 <p align="center">NTDC (National Transmission & Despatch Company)</p>	
Consultant	 <p align="center">National Engineering Services Pakistan</p>	
Main Contractor	 <p align="center">Siemens (Pakistan) Engineering Co. Ltd</p>	
ETC Sub-Contractor	 <p align="center">ZEC (Zain Engineering Company Private Limited)</p>	
















Project Description	Scope of Work								
<p>WB-04-2019: Design, Supply, Installation, Testing and Commissioning of Augmentation Works at 220kV Grid Station Shikarpur</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center; vertical-align: middle;">Client</td> <td style="text-align: center;">  NTDC (National Transmission & Despatch Company) </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">Consultant</td> <td style="text-align: center;">  National Engineering Services Pakistan </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">Main Contractor</td> <td style="text-align: center;">  Joint Venture of China National Technical Import and Export Corporation and Shanghai Electric Group Co Ltd </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">ETC Sub-Contractor</td> <td style="text-align: center;">  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>	Client	 NTDC (National Transmission & Despatch Company)	Consultant	 National Engineering Services Pakistan	Main Contractor	 Joint Venture of China National Technical Import and Export Corporation and Shanghai Electric Group Co Ltd	ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>220kV Grid Station Shikarpur:</p> <ul style="list-style-type: none"> • Dismantling of Existing 02 Nos Transformers of 160MVA. • Installation, Erection, Testing and Commissioning of 02 Nos Transformers of 250MVA. • Installation, Erection, Testing and Commissioning of complete indoor & outdoor Equipments. • Installation, Erection, Testing and Commissioning of Control, Metering and Protection Panels. • Installation, Erection, Testing and Commissioning of Telecommunication System (Telecom & SCADA). • Installation, Erection, Testing and Commissioning of Protection Relays. • Complete Power/Control Cable Laying, Termination, Testing and Commissioning. • Installation and Testing of Grounding System
Client	 NTDC (National Transmission & Despatch Company)								
Consultant	 National Engineering Services Pakistan								
Main Contractor	 Joint Venture of China National Technical Import and Export Corporation and Shanghai Electric Group Co Ltd								
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)								





Project Description		Scope of Work
<p align="center">Erection ,Testing and Commissioning Works at ACT Wind Energy Project, Jhimpir</p>		<p>50MW ACT-II Wind Project:</p> <ul style="list-style-type: none"> • Installation, Erection, Testing and Commissioning of : <ol style="list-style-type: none"> 1) Substation Equipments 2) Wind Farm Equipments 3) Gantries • Installation of Embedded Parts • Laying and Termination of 1.1kV Power Cables
Client	 ACT Group	
Main Contractor	 Descon Engineering Limited	
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	
<p align="center">132kV Switchyard at Chanar Energy Limited, Faisalabad</p>		<p>132kV Switchyard at Chanar Energy Limited:</p> <ul style="list-style-type: none"> • Erection & Commissioning of 2 x 25/31.5 MVA, 11/132 Kv Power Transformers • Erection & Commissioning of 10/12.5 MVA, 11 / 6.9 Kv Interconnection Transformer • Erection & Commissioning of 2 x 3.15 MVA, 11 / 0.415-0.415 Kv VSD Transformer • Erection of Switchyard Equipment including SF6, CB's, CT's, VT's, Isolators etc. • Installation, Testing and Commissioning of Control, Metering and Protection Panel • Indoor & Outdoor Testing and Commissioning including Protection Relays • Cable Laying, Termination & Testing • Earthing Works • Installation of Telecommunication System
Client	 Chanar Energy Limited	
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	








Project Description		Scope of Work						
<p>132/11KV Switchyard at 2x31.2 MW Co-Generation Chiniot Power Plant</p> <table border="1"> <tr> <td>Client</td> <td>  Chiniot Power Limited </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 Chiniot Power Limited	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>132/11KV Switchyard at 2x31.2 MW Co-Generation Chiniot Power Plant:</p> <ul style="list-style-type: none"> Erection & Commissioning of 2x30/40MVA, 11/132Kv Power Transformers Erection & Commissioning of 2x10/12.5MVA, 11/6.9Kv Transformers Erection & Commissioning of 4x4.0MVA, 11/0.415-0.415Kv VSD Transformers Erection of Switchyard Equipment including SF6, CB's, CT's, VT's, Isolators etc. Complete Indoor & Outdoor Testing and Commissioning including Protection Relays Complete Cable Laying, Termination & Testing Steel Structure & Cable Tray Works Earthing Works DCS Instrumentation 		
Client	 Chiniot Power Limited							
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)							
<p>1) 132KV Switchyards at JDW Sugar Mills Unit II at Machka Sadiqabad 2) 132KV Switchyard at JDW Sugar Mills Unit III at Ghotki, Sukkur.</p> <table border="1"> <tr> <td>Client</td> <td>  JDW Group JDW Sugar Mills Ltd </td> </tr> <tr> <td>Main Contractor</td> <td>  Siemens (Pakistan) Engineering Co. Ltd </td> </tr> <tr> <td>ETC Sub-Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 JDW Group JDW Sugar Mills Ltd	Main Contractor	 Siemens (Pakistan) Engineering Co. Ltd	ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>132KV Switchyards at JDW Sugar Mills Unit II at Machka Sadiqabad:</p> <ul style="list-style-type: none"> Erection & Commissioning of 30/40MVA, 11/132Kv Power Transformer Erection & Commissioning of 2x3.15MVA, 11/0.415-0.415Kv Converter Transformers Erection & Commissioning of 3x2.5MVA, 11/0.415Kv Dry Type Transformers Erection of Switchyard Equipment including SF6, CB's, CT's, VT's, Isolators etc. Complete in door & outdoor Testing and Commissioning including Protection Relays Complete Cable Laying, Termination & Testing Steel Structure, Cable Tray Works Earthing Works <p>132KV Switchyard at JDW Sugar Mills Unit III at Ghotki, Sukkur.</p> <ul style="list-style-type: none"> Erection & Commissioning of 30/40MVA, 11/132Kv Power Transformer. Erection & Commissioning of 2x3.15MVA, 11/0.415-0.415Kv Converter Transformers Erection & Commissioning of 3x2.5MVA, 11/0.415Kv Dry Type Transformers Erection of Switchyard Equipment including SF6, CB's, CT's, VT's, Isolators etc. Complete in door & outdoor Testing and Commissioning including Protection Relays Complete Cable Laying, Termination & Testing Steel Structure, Cable Tray Works Earthing Works
Client	 JDW Group JDW Sugar Mills Ltd							
Main Contractor	 Siemens (Pakistan) Engineering Co. Ltd							
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)							



















<p>132kV Switchyard and 2x50MW Wind Power Project works at Gharo Sindh</p>		<p>132kV Switchyard and 2x50MW Wind Power Project works at Gharo Sindh:</p> <ul style="list-style-type: none"> • Erection & Commissioning of 2x22/132kV, 40/50MVA Power Transformers • Erection & Commissioning of 2 x Grounding Transformer 24kV • Erection & Commissioning of 2 x Auxiliary Transformer of 22/0.415kV, 300KVA • Erection & Commissioning of 20Xwtg Step up Transformers, 0.66/22Kv, 2700KVA • Erection & Assistance in Commissioning of GIS Switchyard • Erection of Switchyard Equipment including CB's, CT's, CVT's, Isolators etc. • Telecommunication System i.e.Line Traps, Coupling Devices, PLC etc. • Cable Laying, Termination & Testing • Steel Structure, Cable Tray Works & Earthing Works
<p>Client</p>	 <p>ABB Power & Automation (Pvt.) Ltd</p>	
<p>ETC Contractor</p>	 <p>ZEC (Zain Engineering Company Private Limited)</p>	
<p>Erection , Testing & Commissioning of 132kV Switchyard and 50MW Wind Power Project works at Zephyr Karachi</p>		<p>Erection , Testing & Commissioning of 132kV Switchyard and 50MW Wind Power Project works at Zephyr Karachi:</p> <ul style="list-style-type: none"> • Erection & Commissioning of 132kV, 40/50MVA Power Transformers • Erection & Commissioning of Grounding Transformer 24kV • Erection & Commissioning of Auxiliary Transformer of 22/0.415kV, 300KVA • Erection & Commissioning of 20Xwtg Step up Transformers, 0.66/22Kv, 2700KVA • Erection & Assistance in Commissioning of GIS Switchyard • Erection of Switchyard Equipment including CB's, CT's, CVT's, Isolators etc. • Telecommunication System i.e. Line Traps, Coupling Devices, PLC etc. • Cable Laying, Termination & Testing • Steel Structure, Cable Tray Works & Earthing Works
<p>Client</p>	 <p>ABB Power & Automation (Pvt.) Ltd</p>	
<p>ETC Contractor</p>	 <p>ZEC (Zain Engineering Company Private Limited)</p>	






















Project Description		Scope of Work
<p align="center">Erection of 132KV Switchyard at Hubco Power Narowal Plant-213MW</p>		<p>Erection of 132KV Switchyard at Hubco Power Narowal Plant 213MW:</p> <ul style="list-style-type: none"> Erection of 132KV Switchyard 4 x Transformer Bays 3 x Line Bays Fencing of Switchyard Engineering, Procurement & Construction of Lightning Protection and Earthing System of Plant.
<p>Client</p>	 <p>MAN Diesel & Turbo Man Diesel And Turbo</p>	
<p>ETC Contractor</p>	 <p>ZEC (Zain Engineering Company Private Limited)</p>	
<p align="center">Erection of 132KV AIS Switchyard and complete Power Plant works at 200 MW Liberty Power Tech. Ltd. Faisalabad</p>		<p>Erection of 132KV AIS Switchyard and complete Power Plant works at 200 MW Liberty Power Tech. Ltd. Faisalabad:</p> <ul style="list-style-type: none"> Erection of 132KV AIS Switchyard Electrical Erection 4 x Transformer Bays 3 x Line Bays Installation of 11Xw18V46 Gensets. Installation of 1Xstg Engine Erection of 132KV AIS Switchyard Erection MV/LV Switchgear Complete Cable Laying, Termination & Testing Cable Tray Works Fire Protection System Earthing System of Plant
<p>Client</p>	 <p>LIBERTY Liberty Power Tech Ltd. Liberty Power Tech Limited</p>	
<p>Main Contractor</p>	 <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p>	
<p>ETC Sub-Contractor</p>	 <p>ZEC (Zain Engineering Company Private Limited)</p>	







Project Description		Scope of Work						
<p align="center">Erection of 132KV AIS Switchyard and 200MW Power Plant installation work at Nishat Chunian Power Ltd. Lahore</p> <table border="1"> <tr> <td>Client</td> <td>  <p>NISHAT CHUNIAN LTD. Nishat Chunian Power</p> </td> </tr> <tr> <td>Main Contractor</td> <td>  <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p> </td> </tr> <tr> <td>ETC Sub-Contractor</td> <td>  <p>ZEC (Zain Engineering Company Private Limited)</p> </td> </tr> </table>		Client	 <p>NISHAT CHUNIAN LTD. Nishat Chunian Power</p>	Main Contractor	 <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p>	ETC Sub-Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>	<p>Erection of 132KV AIS Switchyard and 200MW Power Plant installation work at Nishat Chunian Power Ltd. Lahore:</p> <ul style="list-style-type: none"> • Complete Electrical Erection • 4 x Transformer Bays • 3 x Line Bays • Installation of 11Xw18V46 Gensets • Installation of 1Xstg Engine • Erection of 132KV AIS Switchyard • Erection MV/LV Switchgear • Complete Cable Laying, Termination & Testing • Cable Tray Works • Fire Protection System • Earthing System of Plant
Client	 <p>NISHAT CHUNIAN LTD. Nishat Chunian Power</p>							
Main Contractor	 <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p>							
ETC Sub-Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>							
<p align="center">Shutdown Activities at 132KV Switchyards</p> <table border="1"> <tr> <td>Main Contractor</td> <td>  <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p> </td> </tr> <tr> <td>ETC Sub-Contractor</td> <td>  <p>ZEC (Zain Engineering Company Private Limited)</p> </td> </tr> </table>		Main Contractor	 <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p>	ETC Sub-Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>	<ul style="list-style-type: none"> • Nishat Chunian Power Plant 200MW • Nishat Power Plant 200MW • Liberty Power Tech., Ltd 200MW • Attock Generation Ltd 165MW 		
Main Contractor	 <p>WÄRTSILÄ Wartsila Pakistan (Pvt) Limited</p>							
ETC Sub-Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>							







Project Description		Scope of Work
22MW Co-Generation Power Project (Electrical Package)		22MW Co-Generation Power Project (Electrical Package): <ul style="list-style-type: none"> Erection & Commissioning of MV/LV Switchgear Cable Laying, Termination & Testing Erection & Commissioning of Plant Equipment Cable Tray Works Earthing System of Plant Installation of Lighting System of Plant
Client	 <p>Chanar Energy Limited Chanar Energy Limited</p>	
ETC Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>	
2 x 31.2 MW Cogeneration Chiniot Power Plant		2x31.2 MW Cogeneration Chiniot Power Plant: <ul style="list-style-type: none"> Erection & Commissioning of MV/LV Switchgear Cable Laying, Termination & Testing Erection & Commissioning of Plant's Equipment Cable Tray Works Earthing System of Plant
Client	 <p>ABB Power & Automation (Pvt.) Ltd</p>	
ETC Contractor	 <p>ZEC (Zain Engineering Company Private Limited)</p>	







Project Description		Scope of Work
2 x 27MW Cogeneration Power Plant at JDW Sugar Mills Unit II & Unit III		2x27MW Cogeneration Power Plant at JDW Sugar Mills Unit II & Unit III: <ul style="list-style-type: none"> Erection & Commissioning of MV/LV Switchgear Complete Cable Laying, Termination & Testing Erection & Commissioning of Plant Equipment Cable Tray Works Earthing System of Plant
Client	 JDW Group JDW Sugar Mills Ltd	
Main Contractor	 Siemens (Pakistan) Engineering Co. Ltd	
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	
PPR 136MW Bhikhi Sheikhpura		PPR 136MW Bhikhi Sheikhpura: <ul style="list-style-type: none"> Electrical Erection of 3Xgel6000 Complete E&I works
Client	 ABB Power & Automation (Pvt.) Ltd	
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	
GRPL 80MW Power Plant Project- Gujranwala		GRPL 80MW Power Plant Project- Gujranwala: <ul style="list-style-type: none"> Complete Electrical Erection of Plant Earthing Works
Client	 Gulf Rental Power Gulf Rental Power	
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	



















Project Description	Scope of Work						
<p>Complete Erection, Testing & Commissioning Works at:</p> <ul style="list-style-type: none"> • 500KV Switching Station at Moro (Complete) • 500KV Substation at Jamshoro (Extension) • 500KV Substation at Dadu (Extension) • 500KV Substation at Rahim Yar Khan (Extension) <table border="1" data-bbox="205 486 767 1113"> <tr> <td data-bbox="205 486 403 734">Client</td> <td data-bbox="403 486 767 734">  NTDC (National Transmission & Despatch Company) </td> </tr> <tr> <td data-bbox="205 734 403 875">Main Contractor</td> <td data-bbox="403 734 767 875">  Chint Group Corp. </td> </tr> <tr> <td data-bbox="205 875 403 1113">ETC Sub-Contractor</td> <td data-bbox="403 875 767 1113">  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>	Client	 NTDC (National Transmission & Despatch Company)	Main Contractor	 Chint Group Corp.	ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Complete Erection, Testing & Commissioning of:</p> <ul style="list-style-type: none"> • Shunt Reactor Banks (XD China) 550/3kV, 3X37 MVAR • Circuit Breakers (ABB China) three pole, 550kV, 3150A, 40kA • Erection of Switchyard Equipment including CT's (TBEA KONCAR), CVT's (TBEA KONCAR), Isolators (ABB China) etc. • SAS system (NR) and Relay Panels (NR) • ACDC system by CHINT Electric CHINA • Installation of indoor & outdoor equipment • SCADA & Telecom System • Protection Relays • Complete Power/Control Cable Laying, Termination and Testing • Steel Structure, Cable Tray Works • Earthing Works
Client	 NTDC (National Transmission & Despatch Company)						
Main Contractor	 Chint Group Corp.						
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)						
<p align="center">Matiari To Lahore ±660Kv HVDC Transmission Line Project</p> <table border="1" data-bbox="205 1317 767 1968"> <tr> <td data-bbox="205 1317 379 1565">Client</td> <td data-bbox="379 1317 767 1565">  NTDC (National Transmission & Despatch Company) </td> </tr> <tr> <td data-bbox="205 1565 379 1733">Main Contractor</td> <td data-bbox="379 1565 767 1733">  国家电网 STATE GRID 中国电力技术装备有限公司 State Grid Corporation of China </td> </tr> <tr> <td data-bbox="205 1733 379 1968">ETC Sub-Contractor</td> <td data-bbox="379 1733 767 1968">  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>	Client	 NTDC (National Transmission & Despatch Company)	Main Contractor	 国家电网 STATE GRID 中国电力技术装备有限公司 State Grid Corporation of China	ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Matiari To Lahore ± 660Kv HVDC:</p> <ul style="list-style-type: none"> • 660Kv High Voltage DC Transmission Line, Tower Erection, Jumper, Dodging & Dropper Installation
Client	 NTDC (National Transmission & Despatch Company)						
Main Contractor	 国家电网 STATE GRID 中国电力技术装备有限公司 State Grid Corporation of China						
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)						







Project Description		Scope of Work						
<p>Erection , Testing & Commissioning of 132kV Switchyard and 50MW Wind Power Project works at Zephyr Karachi</p> <table border="1"> <tr> <td>Client</td> <td>  Orient Energy Systems Pvt Ltd. </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 Orient Energy Systems Pvt Ltd.	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Erection , Testing & Commissioning of 132kV Switchyard and 50MW Wind Power Project works at Zephyr Karachi:</p> <ul style="list-style-type: none"> Laying of Submarine & FO cables including Creek Crossing & Road Crossing Installation of Earthing Mesh & Lightening Mast Installation of Fire Alarm system Installation of EDG Installation of Support structure at RMU's Installation of Lights 		
Client	 Orient Energy Systems Pvt Ltd.							
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)							
<p>Illumination & Communication System Works</p> <table border="1"> <tr> <td>Client</td> <td>  SEPCO3 </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 SEPCO3	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Illumination & Communication System Works:</p> <ul style="list-style-type: none"> Lighting System installation Communication system Installation including junction Boxes, PVC Pipes, Galvanized Steel Pipes and Communication cables etc. Structural Steel Fabrication for equipment supports such as panel, base frames, DB's, Terminal box supports, etc. 		
Client	 SEPCO3							
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)							
<p>1320MW Coal Fired Power Plant</p> <table border="1"> <tr> <td>Client</td> <td>  SEPCO3 </td> </tr> <tr> <td>Main Contractor</td> <td>  Descon Engineering Limited </td> </tr> <tr> <td>ETC Sub-Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 SEPCO3	Main Contractor	 Descon Engineering Limited	ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>1320MW Coal Fired Power Plant:</p> <ul style="list-style-type: none"> Electrical Erection, Testing & Commissioning Services
Client	 SEPCO3							
Main Contractor	 Descon Engineering Limited							
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)							








Project Description		Scope of Work
35MW Coal Fired Power Plant		
Client	 Sitara Chemical Industries Ltd	
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	35MW Coal Fired Power Plant: <ul style="list-style-type: none"> Thermite Welding of CFPP Earthing
China Three Gorges First Wind farm 49.5MW Wind Power Project-Sind, Pakistan		
Client	 China International Water and Electric Corporation	
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	Testing Commissioning of below cited HV Equipment: <ul style="list-style-type: none"> 44x145KV Capacitor Voltage Transformers 42x145KV SF6 Current Transformers
Alstom Grid Pakistan (Pvt) Ltd		
Client	 Alstom Grid Pakistan (Pvt) Ltd	
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	Alstom Grid Pakistan (Pvt) Ltd: <ul style="list-style-type: none"> Installation & Commissioning of LDSU project at different Grids of Faisalabad & Lahore Region PLC & Panel Works at various grids SCADA, RTU, Relay works at various grids Installation of 170AH/10Hr Battery Banks & Chargers

Project Description		Scope of Work
Shikarpur Energy Pvt. Ltd.		
Client	 Orient Energy Systems Pvt Ltd.	Shikarpur Energy Pvt. Ltd : <ul style="list-style-type: none"> • 4 x JGS620 Installation • Electrification Works • Lightning Protection & Earthing Works • HT/LT Kits & Termination Works • HT/LT Cable Laying Works • Luminaries Works
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	
Sinjhor Development Project Sanghar.		
Client	 GAIN Control Systems	Sinjhor Development Project Sanghar: <ul style="list-style-type: none"> • Installation, Testing and Commissioning of 3x965KW, 3-phase, 415 Volts, 50 Hz Gas Engine Driven Power Generators (PG- 8001A, PG-8001B and PG-8001C) complete with associated panels, Piping, Fabrication and interconnection cabling etc. • Synchronization, Interlocking, Testing and Commissioning of power generation system
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	
Habibullah Coastal Power Company- Quetta		
Client	 ABB Power & Automation (Pvt.) Ltd	Habibullah Coastal Power Company- Quetta: <ul style="list-style-type: none"> • MV/LV Kiosk Works including Switchgear & Dry Type Transformer • MV/LV/Control Cabling including Terminations • Control Relay Works
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	

Project Description		Scope of Work
<p>1) Qasim International Container Terminal Karachi 2) Dadu Energy Pvt. Ltd. 3) Davis Energen (IPP) Power Plant</p>		<p>Qasim International Container Terminal Karachi:</p> <ul style="list-style-type: none"> • Installation Works 3Xc1675D5 (Cummins 11KV Diesel Gensets) • Lightning Protection Works • HT/LT Kits & Termination Works • HT/LT Cable Laying Works • Luminaries Works <p>Dadu Energy Pvt. Ltd:</p> <ul style="list-style-type: none"> • 6 x JGS620 Installation • Electrification Works • Lightning Protection & Earthing Works • HT/LT Kits & Termination Works • HT/LT Cable Laying Works • Luminaries Works <p>Davis Energen (IPP) Power Plant:</p> <ul style="list-style-type: none"> • 4 x JGS620 Installation • Electrification Works • Lightning Protection & Earthing Works • HT/LT Kits & Termination Works • HT/LT Cable Laying Works • Luminaries Works
<p>Client</p>	 Orient Energy Systems Pvt Ltd.	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	
<p>BYCO Oil Refinery-Hub Baluchistan</p>		<p>BYCO Oil Refinery-Hub Baluchistan:</p> <ul style="list-style-type: none"> • Installation of MV Switchgear • Installation of LV Switchgear • HT Kits & Termination Works • HT/LT Cable Laying/Tagging Works
<p>Client</p>	 ABB Power & Automation (Pvt.) Ltd	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	
<ul style="list-style-type: none"> • Colony Textile Mills 24MW • Rupali Polyester 6MW • Rupali Polyester 9MW • Indus Home 6MW 		<p>Complete Electrical System for Jenbacher Engines</p>
<p>Client</p>	 Orient Energy Systems Pvt Ltd.	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	

Project Description		Scope of Work				
<p>1) Habib Gulzar Non Alcoholic Beverages Bagrami Industrial Zone Kabul, Afghanistan.</p> <p>2) Milk Reception Plant + CIP Nestle Sheikhpura</p> <table border="1"> <tr> <td>Client</td> <td>  Tetra Pak Pakistan Company </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 Tetra Pak Pakistan Company	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Habib Gulzar Non Alcoholic Beverages Bagrami Industrial Zone Kabul, Afghanistan:</p> <ul style="list-style-type: none"> • Electrical Works Juice Line • Cable Laying, Dressing • Tagging • Termination & Loop Testing • Installation of Pneumatic Air Tubes • MCC/Distribution Panel Works <p>Milk Reception Plant + CIP Nestle Sheikhpura:</p> <ul style="list-style-type: none"> • Electrical Works at Milk Reception Plant • Cable Laying, Dressing, Tagging, Termination & Loop Testing • Installation of Pneumatic Air Tubes • MCC/Distribution Panel Works
Client	 Tetra Pak Pakistan Company					
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)					
<p>Juice Lines CIP2 & CIP3 Nestle EGRON Sheikhpura</p> <table border="1"> <tr> <td>Client</td> <td>  Nestlé Pakistan </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 Nestlé Pakistan	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>Juice Lines CIP2 & CIP3 Nestle EGRON Sheikhpura:</p> <ul style="list-style-type: none"> • Electrical Works Juice Lines • Cable Laying, Dressing, Tagging, Termination & Loop Testing • Installation of Pneumatic Air Tubes • MCC/Distribution Panel Work.
Client	 Nestlé Pakistan					
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)					
<p>EEAPL, Muridke.</p> <table border="1"> <tr> <td>Client</td> <td>  Engro Corporation </td> </tr> <tr> <td>ETC Contractor</td> <td>  ZEC (Zain Engineering Company Private Limited) </td> </tr> </table>		Client	 Engro Corporation	ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	<p>EEAPL Muridke:</p> <ul style="list-style-type: none"> • Integrated Rice Processing Complex Project • General Power & Illumination Works • Process Area Lighting Works • Main Mill Works • Parboiling Plant Project • Aging Ware House Project • Panel Works • Wiring Works
Client	 Engro Corporation					
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)					

Project Description		Scope of Work
<p align="center">International Beverages Consultancy FZC Jordan</p>		<p>International Beverages Consultancy FZC Jordan:</p> <ul style="list-style-type: none"> • Services for Electrical & Mechanical Hygienic Standards for Kronen at CCBPL Lahore • Services for Electrical & Mechanical Hygienic Standards for Kronen at CCBPL Gujranwala • Optical Fiber Works • E&I Works
<p>Client</p>	 INTERNATIONAL BEVERAGES CONSULTANCY International Beverages Consultancy	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	
<p align="center">EEAPL, Muridke.</p>		<p>EEAPL Muridke:</p> <ul style="list-style-type: none"> • Electrical Works ESP, LP, Boiler and Auto bagging Project • Earthing & Lightning Protection
<p>Client</p>	 engro Engro Corporation	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	
<p>1) CCBPL Lahore Plant 2) CCBPL Gujranwala Plant 3) CCBPL Faisalabad Plant</p>		<p>CCBPL Lahore Plant:</p> <ul style="list-style-type: none"> • Hot Fill Line Installation • Installation of AlMaty 0.5 Liter Line • 60K Kronen RGB Line Installation • 32K Kronen Line Installation • Lighting/Luminaries Works • Earthing & Lightning protection system <p>CCBPL Gujranwala Plant:</p> <ul style="list-style-type: none"> • 60K Kronen RGB Line Complete Installation • Lighting/Luminaries Works • Earthing & Lightning Protection System <p>CCBPL Faisalabad Plant:</p> <ul style="list-style-type: none"> • Electrical Works • Illumination Works
<p>Client</p>	 Coca-Cola Coca-Cola Pakistan	
<p>ETC Contractor</p>	 ZEC (Zain Engineering Company Private Limited)	

Project Description		Scope of Work
Nishat Power Limited		
Client	 NISHAT POWER LIMITED Nishat Power Limited	Nishat Power Limited: <ul style="list-style-type: none"> • Illumination works • Lighting Poles Work • Boundary Wall • Electrification Work
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	
Erection of 250MVA Transformer at ADB09 Bay Pipri Grid Station.		
Client	 K-Electric	Erection of 250MVA Transformer at ADB09 Bay Pipri Grid Station: <ul style="list-style-type: none"> • Installation, testing and commissioning of 250MVA Auto Transformer along with serge system
Main Contractor	 Chint Group Corp.	
ETC Sub-Contractor	 ZEC (Zain Engineering Company Private Limited)	
Turbo Mach Turbine - 5MW		
Client	 Allied Engineering & Services (Pvt.) Ltd	Turbo Mach Turbine - 5MW at: <ul style="list-style-type: none"> • Sui Northern Gas Pipelines Ltd. • Fazal Cloth Mills Muzaffargarh • Hussain Textile Mills Multan
ETC Contractor	 ZEC (Zain Engineering Company Private Limited)	