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Company Background

N_Arc Consulting, India is one of the leading infrastructure advisory, engineering and project management company in Power Sector. The company offers total design and engineering services right from conceptual design up to the commissioning of the project.

Having being associated with top consulting companies in India & abroad, large business groups and top public sector organizations from where we have been able to carry the management systems, recycle the learning and utilize the expertise on our ongoing projects. We provide products and expertise to private, public and independent organizations throughout the project cycle, drawn from nearly a decade of experience.

The key personnel associated with N_Arc Consulting have vast experience in project consulting, project construction & management, which has helped us to work intimately with our clients so as to understand the client requirements and assess the critical issues. We gather & examine the relevant information and offer the optimum engineering solutions to variety of projects. Key to our service is the combination of integral approach of design based knowledge, industry knowledge and practical approach.

Established in 2004, with over 100 professionals having vast experience in their respective fields of Infrastructure development working collectively and guided by one goal. The company has been associated with some of the prestigious projects since its inception. We work actively within energy sector and our service list is different than what is being offered by other consulting companies.

We believe our style and approach combines the ideal blend of client understanding and management ability which make the project a success.



Objectives and Mission:

- ✦ To understand Client requirements and implement it to "Design to Fit"
- ✦ To support our Clients to their requirement and satisfaction, as consultants or advisors, engineers in all type of activities we are assigned with.
- ✦ Work closely with our clients & believe in highest quality of engineering standards through a well defined quality system & document control.
- ✦ Work integrity & honesty
- ✦ Train & nurture young engineering generation



Sectoral Representation

The company is providing consultancy services in following sectors:



Power Transmission



Power Distribution



Power Generation



Renewable Energy



Infrastructure & Industrial Projects



Energy Efficiency, Energy Accounting



Training programs & Capacity Building

Scope of Services





The company is providing consultancy services under following broad scope:

A. Advisory Services

- ⊕ Product Sourcing, Requirements and Market Research & Analysis
- ⊕ Project Feasibility Reports and Detail Project Reports
- ⊕ System Modernization, Augmentation and Residual Life Assessment studies.
- ⊕ Regulatory and Statutory Advisory
- ⊕ Technical Advisory

B. Engineering Activities

B.1 Pre-Engineering Activities

- ⊕ Survey & Investigation
- ⊕ Approvals and Clearances- Statutory & Regulatory
- ⊕ Pre – Engineering Design / Reports

B.2 Design & Engineering

- ⊕ Detailed Design and Engineering
- ⊕ Preparation of Bill of Quantity and Cost Estimates
- ⊕ Preparation of Construction Drawings and Design Co-ordination

C. Bid Process Management

- ⊕ Package finalization
- ⊕ Setting criteria for Pre-qualification
- ⊕ Preparation of Technical Specifications and Tender Documentation
- ⊕ Initial screening of executing agencies& Presentation by executing agencies
- ⊕ Material Sourcing & Procurement Advise
- ⊕ Bid Evaluation & Project Commencement support

D. Project Management

D.1 Pre Construction Stage

- ⊕ Project Planning and Bid Process

D.2 Construction Stage

- ⊕ Project and Construction Management
- ⊕ Design Review & Site Coordination
- ⊕ Procurement of Materials and Works
- ⊕ Contract Management
- ⊕ Site Supervision & Monitoring

D.4 Post-Construction stage

- ⊕ As Built Documentation
- ⊕ Defect Liability
- ⊕ Preparation of O&M Manuals
- ⊕ Operation and Maintenance

E. Quality Assurance & Third Party Inspection

- ⊕ Implement Quality Control procedures
- ⊕ Master Quality Plan (M.Q.P.)
- ⊕ Field Quality Plan (F.Q.P.)
- ⊕ Field inspection
- ⊕ Material inspection
- ⊕ Product standardization

F. Training Programs

- ⊕ The company provides training to Power Engineers of various utilities and institutes on Power System Engineering & Safety



Power Transmission

The company provides following services

- ⊕ Transmission Planning Studies
- ⊕ Remodeling, Augmentation & Strengthening of Transmission Networks
- ⊕ Load Flow Studies & advanced engineering studies
- ⊕ Load Forecasting and System Master Planning
- ⊕ Detailed Project Report (DPR)
- ⊕ Power Evacuation Studies, Sourcing Options and Interconnection Options
- ⊕ Environmental and Social Impact Assessment
- ⊕ Owners Engineering
- ⊕ Detailed System Engineering
- ⊕ Procurement Support
- ⊕ Detailed component engineering like Electrical, Mechanical & Structural Design using Computer aided models like PLS
- ⊕ Bid Process Management
- ⊕ Construction Supervision



Major Domestic & International Assignments

Project Name: 400kV transmission line for Bhilangana HPP to Power Evacuation System - Power House Substation (220KV/33KV) including associated 220 KV and 33Kv KV Lines for 3x7.5 MW Bhilangana Hydro Power Plant at Ghansali Village, Tehri Garhwal District, Uttaranchal, India
Total Line Length: 50 Kms

Client: Swasti Power & Engineering Limited, Hyderabad, India

Start Date: Jul 2005

Completion Date: Oct 2009

Project Location: Ghansali Village, Tehri Garhwal District, Uttaranchal, India

Project Value: Rs.1648.4 Million

Description of Services Provided: Survey & design of 220KV S/C & 33 KV D/C Line from power plant up to 220KV interconnection substation at Chamba, Uttaranchal. Preparation of Technical Specification for Electrical & Electromechanical, Switchyard Equipment etc. Design coordination, follow up on procurement of material, Project supervision & site support, Quality Assurance, Provide all support during construction & commissioning, Preparation of O&M Manual



Project Status – Completed

Performance Certificate issued by Client

Project Name: 400kV D/C transmission line for 300 MW, Bowala Nand Prayag Hydro Electric Power Project through 400 KV DC Transmission Line in the state of Uttaranchal, Total Line Length: 30 Kms

Client: Halcrow Consulting India Private Limited, Noida

Start Date: Aug 2006

Completion Date: Apr 2007

Project Location: Uttaranchal, India

Project Value: Rs.18,500 Million

Description of Services Provided: Feasibility Study on Grid Connectivity & Interconnection Options, Evaluation of the existing system and future plans by UPCL & PGCIL, Assessment of techno-economical evacuation option, Preparation of route plan, Preparation of Bill of Quantities, Cost Plan and Estimate, Project Constructability and Project Plan

No Picture

Project Status – Completed

Performance Certificate issued by Client



<p>Project Name: Power Evacuation System for 300 MW Alaknanda Hydro Electric Power Project through 400 KV Double Circuit Transmission Line in the state of Uttaranchal, India</p> <p>Total Line Length: 45 Kms</p>		<p>No Picture</p>
<p>Client: Halcrow Consulting India Private Limited, Noida, India</p>		
<p>Start Date: Aug 2006</p>	<p>Completion Date: Jun 2007</p>	
<p>Project Location: Uttaranchal, India</p>		
<p>Project Value: Rs.18,500 Million</p>		
<p>Description of Services Provided: Feasibility Study on Grid Connectivity & Interconnection Options, Evaluation of the existing system and future plans by UPCL & PGCIL, Assessment of techno-economical evacuation option, Preparation of route plan, Preparation of Bill of Quantities, Cost Plan and Estimate, Project Constructability and Project Plan</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>

<p>Project Name: Preparation of DPR for Power Evacuation System – 4 X 250 MW, Naying Hydro Electric Power Project & 4 X 175 MW, Tato-II Hydro Electric Power through 400 KV DC Transmission System along with interface for end transmission for power evacuation system in Arunachal Pradesh, India</p> <p>Total Length 130 Km</p>		
<p>Client: SNC Lavalin Engg. India Pvt. Ltd., New Delhi, India</p>		
<p>Start Date: Jan 2008</p>	<p>Completion Date: Dec 2008</p>	
<p>Project Location: Arunachal Pradesh</p>		
<p>Project Value: Rs.2548.3 Million</p>		
<p>Description of Services Provided: Preparation of detail Project report, Route walkover survey, Technical aspects and design parameters, Region wise Power demand and supply position in the entire country, Determining environmental and social impact, Transmission system design and design calculation, Erection methodology and schedule of transmission line erection, Preparation of Bill of Quantities, Preparation of Cost estimates</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>



Project Name: Development of 400 KV Power Transmission System, 400/220 KV Substation in Kabulpur and 400/220 KV Substation in Deepalpur and associated transmission lines through Public Private Partnership (the “PPP”) on Design, Built, Finance, Operate and Transfer (the “DBFOT”) basis

Client: IRCON International Private Limited, New Delhi, India

Start Date: Dec 2008

Completion Date: Mar 2009

Project Location: Kabulpur & Deepalpur, Haryana, India

Project Value: Rs.2300 Million

Description of Services Provided: Design verification, due diligence for 400/220 KV substations and 100KM of 400KV D/C transmission line, Preparation of Bill of Quantities and cost estimates for Substation Works and Transmission Line. Financial model for execution of Project through Public Private Partnership Mode



Project Status – Completed

Project Name: Power Evacuation System for 570 MW, Upper Marsyangdi-2 Hydro Power Plant in Nepal through 400 KV Double Circuit Transmission line (Inter Country Transmission System)

Total Length 300 Kms

Client: COYNE ET BELLIER, France

Start Date: Aug 2009

Completion Date: Dec 2009

Project Location: Nepal and India

Project Value: Rs.3688.7 Million

Description of Services Provided: Study of power market in Northern India based on current power scenario, demand projections, proposed generation projects in Northern and North Eastern regions, Power Evacuation Studies including interconnection options with Electricity Grid in India, Detailed designing of the transmission lines and substations, Design Report on various interconnection options, Financial modeling & cost benefit on various options, Power sale option & Regulatory Frame work

No Picture


Project Status – Completed
Performance Certificate issued by Client



<p>Project Name: Power Market Study , analysis and Power Evacuation report for 900 MW, Upper Karnali Hydroelectric power Project located on Karnali River in Achham, Dailekh and Surketh Districts of Western parts of Nepal(Inter Country Transmission System)</p> <p>Total Length 300 Kms</p>	<p style="text-align: center;">No Picture</p> <p style="text-align: center;">Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Client: GMR Upper Karnali Hydropower Limited, Nepal</p>	
<p>Start Date: Nov 2009 Completion Date: Mar 2010</p>	
<p>Project Location: Nepal</p>	
<p>Project Value: NA</p>	
<p>Description of Services Provided: Study of power market in Northern India on current scenario, demand projections, proposed generation projects & transmission projects in Northern regions, Study of current transmission network in Nepal and proposed transmission arrangements planned between India and Nepal, Techno-economic analysis of various options of evacuation of power from Upper Karnali project from project site, extending through regions in Nepal and India, analyzing various inter-connection points with PGCIL in India and making recommendations for the same based on a combination of Technical and Financial criteria, Detailed Financial Modeling for the above analysis</p>	
<p>Project Name: Detailed route survey and Bid process management for EPC bidding for power evacuation from 15 MW combined capacity MBL MHPs, near Pathankot in Punjab to PSEB substation at Ranipur</p>	<p style="text-align: center;">No Picture</p> <p style="text-align: center;">Project Status – Completed</p>
<p>Client: Gill Acqua Hydro Power Generation Pvt. Ltd.</p>	
<p>Start Date: Dec 2009 Completion Date: Feb 2010</p>	
<p>Project Location: Punjab</p>	
<p>Project Value: NA</p>	
<p>Description of Services Provided: Detailed route survey and Bid process management, Preparation of line profile & tower spotting data, Preparation of tower schedule & recommendation on tower foundations, Bill of quantities & cost estimates, Erection methodology & schedule of transmission line erection, Broad technical parameters & requirements of transmission line, Preparation of technical specifications for transmission line work i.e. survey, supply of Material & erection. Quality assurance, testing and commissioning will be the part of technical specification</p>	



Project Name: Engineering and Construction support for Power Transmission line for Birahi Ganga Stage I & II Hydro electric Project in Uttaranchal at 220KV system	
Client: PES Engineers Private Ltd.	
Start Date: Sep 2009	Completion Date: Nov 2010
Project Location: Uttaranchal	
Project Value: NA	
<p>Description of Services Provided: Load Assessment and availability of Evacuation System, Preparation of Detailed Project Report for Transmission and Evacuation, Analyzing various options of inter-connection point's based on a combination of technical and financial criteria, Study and ascertain reality for feasibility of evacuation, Route Walkover Survey, route alignment and line profiling, Technical Aspects and design parameters for 220kV transmission line, Preparation of Technical Specification and bid documents, Preparation of Tower loading diagram, Erection methodology and schedule of transmission line erection, Preparation of Bill of Quantities & Estimates</p>	
No Picture	
Project Status – Completed	

<p>Project Name: Northern Region System Strengthening Scheme, NRSS-XXXIII – Ballabgarh - Greater Noida 400 kV D/C line from Ballabgarh Substation to new 2x500 MVA, 400/220 kV GIS Substation at Greater Noida.</p> <p>Total Length 55 Kms</p>	
Client: Power finance Corporation Consulting Limited (PFCCCL)	
Start Date: Aug 2013	Completion Date: Nov 2013
Project Location: Ballabgarh & Greater Noida	
Project Value: NA	
<p>Description of Services Provided: Survey, Identification of three alternative route alignments & selection of optimized route alignment on satellite imageries of NRSA and Survey of India maps. Digital terrain modeling. Walk-over Survey of the route alignment. Preparation of Project Report including identification and explanation of route constraints, infrastructure details and various clearances required. Estimation of the land, Identification of three alternative of sites for substation at Greater Noida, assist in Land acquisition including filing of application and follow-up/co-ordination with the concerned Authorities</p> <p>Substation engineering, layouts for 400KV GIS, line orientation and detailed project plan.</p>	
	
Project Status – Completed	



Project Name: Transmission system for Creation of 2x500 MVA, 400/220 kV GIS Substation at Darbhanga with space for future extension (1x500 MVA) & Creation of 2x200 MVA, 400/132 kV GIS Substation at Mothihari with space for future extension (1x200 MVA) "Eastern region system strengthening scheme-VI using modern techniques"
Total Length 120 Kms

Client: Power finance Corporation Consulting Limited

Start Date: April 2013 **Completion Date:** Sep 2013

Project Location: Uttar Pradesh & Bihar

Project Value: NA

Description of Services Provided: Survey, Identification of three alternative route alignments & selection of optimized route alignment on satellite imageries of NRSA and Survey of India maps. Digital terrain modeling. Walk-over Survey of the route alignment. Preparation of Project Report including identification and explanation of route constraints, infrastructure details and various clearances required. Estimation of the land, Identification of three alternative of sites for substation at Greater Noida, assist in Land acquisition including filing of application and follow-up/co-ordination with the concerned Authorities

Substation engineering, layouts for 400KV GIS, line orientation and detailed project plan.

No Picture

Project Status – Completed

Project Name: Transmission system for "NRSS-XXXV" using modern techniques (Mohindergarh – Bhiwani 400KV D/C line with twin moose conductor transmission line
Total Length 55 Kms

Client: Power finance Corporation Consulting Limited

Start Date: Aug 2014 **Completion Date:** Feb 2015

Project Location: Mohindergarh- Bhiwani

Project Value: NA

Description of Services Provided: Survey, Identification of three alternative route alignments & selection of optimized route alignment on satellite imageries of NRSA and Survey of India maps. Digital terrain modeling. Walk-over Survey of the route alignment. Preparation of Project Report including identification and explanation of route constraints, infrastructure details and various clearances required. Estimation of the land, Identification of three alternative of sites for substation at Greater Noida, assist in Land acquisition including filing of application and follow-up/co-ordination with the concerned Authorities

No Picture

Project Status – Completed



Power Distribution

The company provides following services:

- ✦ System study and Planning
- ✦ Load Growth Planning , Studies& projections
- ✦ System Augmentation & Strengthening, Reduction of AT&C losses
- ✦ Design & Engineering services
- ✦ Bid Process Management
- ✦ GIS / GPS Survey
- ✦ Feeder Separation ,HVDS and Rural Electrification Project
- ✦ Baseline Audit, Energy Management &Energy Accounting
- ✦ Demand Side Management
- ✦ Detailed Project Report & Engineering Studies for Distribution Projects
- ✦ Project Management & Construction Supervision
- ✦ Lender's Engineers



Major Domestic & International Assignments

Project Name: Planning & System Design, layout and Constructional Design of O/H & Underground Electrical distribution system Panjim city of Goa in India

Client: IRCON International Ltd, New Delhi, India

For Power Grid Corporation Of India Ltd.

Start Date: Apr 2005

Completion Date: Feb 2006

Project Location: Panjim, Goa, India

Project Value: Rs.320 Million

Description of Services Provided: Preparation of detail feasibility report, Data analysis, Integration of all existing 33 and 11 kV substation on master map, Route alignment of Underground system based on the survey of over head Line system, Planning of 11/0.415 kV substations and integration of these with U/G network, Design of complete distribution Layout, Planning of street lighting and integration with the substation/Service Panels and preparation of construction drawings. Provide construction support.



Project Status – Completed

Performance Certificate issued by Client

Project Name: Conversion of Overhead distribution system to underground system partly & O/H system, Preparation of detailed feasibility report for Electrical Transmission and Distribution System in Patna city, Bihar State.

Client: Power Grid Corporation of India Limited

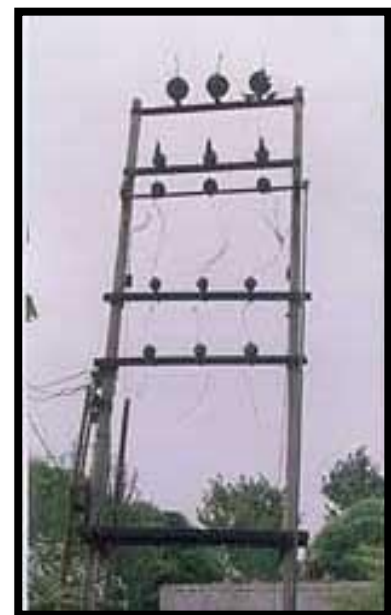
Start Date: Jun 2006

Completion Date: Dec 2006

Project Location: Patna, Bihar

Project Value: Rs.300 Million

Description of Services Provided: Preparation of detail feasibility report, Consumer data compilation, Overall load calculation and load forecast, Preparation of Bill of Quantities, Technical support during construction, Preparation of the estimate for the project, Preparation of distribution layout, Design and engineering and preparation of construction / erection drawings.



Project Status – Completed



Project Name: Conversion of Overhead Distribution system to underground in Talegaon area of Panjim City in Goa

Client: Power Grid Corporation of India Limited, Goa, India

Start Date: Aug 2007

Completion Date: Mar 2008

Project Location: Goa, India

Project Value: Rs.670 Million

Description of Services Provided: Feasibility report for the Conversion of Overhead Distribution System to Underground Distribution System. Study of existing electrical network in the area, Consumer data compilation, Collection of field data. Superimpose electrical network on land base map. Modeling of the Electrical network. Preparation of Bill of materials and cost estimate, Preparation of distribution layout, Design and engineering and preparation of construction / erection drawings



Project Status – Completed

Project Name: Rehabilitation of Power Infrastructure affected by Tsunami, planning of new 33KV, 11KV and LT distribution system for 13 Islands in the UT of Andaman & Nicobar Islands, India

Client: Siemens India Ltd, Gurgaon, India , for PGCIL

Start Date: Mar 2007

Completion Date: Jan 2008

Project Location: Andaman & Nicobar, India

Project Value: Rs. 1300 Million

Description of Services Provided: Survey / Collection of Site Data, sub-area breakup for conditions of 33 KV Line / Substations, 11 KV line & LT lines, Design & Engineering for distribution system. Identifying the requirement of new distribution system. Technical support for preparation of list of critical installations.

Planning Design and Engineering, integration of all existing substations & Lines on area maps/master map and integration. Detailed engineering of the distribution substation and Line and erection drawings with erection details. Preparation of area wise BOQ. Supervision of work during Execution.



Project Status – Completed

Performance Certificate issued by Client



<p>Project Name: Third Party Independent Evaluation Agency – Energy Accounting (TPIEA-EA) under Restructured Accelerated Power Development and Reforms Program (R-APDRP) for Rajasthan for Establishing and verification of baseline AT & C losses for 34 towns.</p>	<p>No Picture</p>
<p>Client: Power Finance Corporation (PFC), New Delhi, India</p>	
<p>Start Date: Mar 2010 Completion Date: Mar 2012</p>	
<p>Project Location: Rajasthan, India</p>	
<p>Project Value: NA</p>	
<p>Description of Services provided: Preparation of Report for baseline AT & C losses as per PFC guidelines and standards, Technical data collection from the field, Study of Project area distribution network for calculation of AT & C losses, Pre-requisites for verification of Baseline AT&C losses: Ring fencing of Project Areas w.r.t. elect vis-à-vis physical boundary by Installation of Boundary meters at all input and export points, Ensuring healthy operation of above meters and availability of calibration certificates, Compilation of three billing cycle data on approved format (including consumer profile) and as per baseline AT&C loss computation methodology, Verifying Annual AT&C losses of utility as per approved methodology</p>	<p>Project Status – Completed</p>
<p>Project Name: Detailed Project Report for strengthening the existing distribution network and to suggest measures to reduce the existing AT & C losses under R-APDRP Part – B scheme for 15 Towns of Madhya Pradesh.</p>	<p>No Picture</p>
<p>Client: Voyants Solutions Private Limited</p>	
<p>Start Date: Jan 2010 Completion Date: May 2010</p>	
<p>Project Location: Madhya Pradesh</p>	
<p>Project Value: Rs.4321 Million</p>	
<p>Description of Services Provided: Detailed Project Report Preparation, GPS survey of existing Distribution Network for the formation of Database of electrical assets within the project of area and town, Collection of Consumer Data & Load details of the area, Data Analysis & Proposal for New System, Preparation of detailed BOQ, Project Cost Estimation, Project Monitoring Schedule, Preparation of Single Line Diagram on the base map of project area and town, Recommendation of New System for reduction of AT & C Losses in each Project Area, Approval of Proposal / Scheme for MPMKVVCL & PFC</p>	<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>



<p>Project Name: Detailed Project Report for strengthening the existing distribution network and to suggest measures to reduce the existing AT & C losses under ADB scheme for 44 Towns of Madhya Pradesh.</p>	<p>No Picture</p>
<p>Client: Voyants Solutions Private Limited</p>	
<p>Start Date: April 2010 Completion Date: Oct 2010</p>	
<p>Project Location: Madhya Pradesh</p>	
<p>Project Value: Rs.1021 Million</p>	
<p>Description of Services Provided: Detailed Project Report Preparation, GPS survey of existing Distribution Network for the formation of Database of electrical assets within the project of area and town, Collection of Consumer Data & Load details of the area, Data Analysis & Proposal for New System, Preparation of detailed BOQ, Project Cost Estimation, Project Monitoring Schedule, Preparation of Single Line Diagram on the base map of project area and town, Recommendation of New System for reduction of AT & C Losses in each Project Area, Approval of Proposal / Scheme for MPMKVCL & PFC</p>	<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Project Name: Restructured Accelerated Power Development and Reforms Programme (R-APDRP) PART-B Government of India Scheme Preparation of the DPR for 4 districts (Ambala Cantt, Rohtak, Gohana and Jind) in Haryana state</p>	<p>No Picture</p>
<p>Client: Rural Electrification Corporation Ltd (REC-PDCL)</p>	
<p>Start Date: July 2010 Completion Date: Apr 2011</p>	
<p>Project Location: Ambala Cantt, Rohtak, Gohana and Jind, Haryana, India</p>	
<p>Project Value: Rs.1254 Million</p>	
<p>Description of Services Provided: Preparation of DPRs as per PFC guidelines, Technical data collection & verification of load data of these cities. Survey of Existing distribution network, Study and planning of works for the preparation of DPR's as per PFC guideline in all the 4 no. Towns, Preparation of SLD & nodal diagram with feeder wise colour coding, Preparation of BOQ with approved cost data ready for turnkey execution and for purpose of calculation of final cost scheme, Calculation of cost /Loss analysis with payback period and IRR, Calculation of loss analysis to get the proposed benefits in MU's, Network optimization studies to minimize technical loss and also evaluation of cost benefit analysis of each loss reduction measures, Preparation of long term least cost network expansion plan to meet horizon year load and also evaluation of cost benefit analysis, Assessment of load forecast for next Five year</p>	<p>Project Status – Completed</p>



Project Name: Quality Assurance, Inspection and Project Monitoring & Management of World Bank Funded Supply & Installation works for HVDS, Bifurcation of feeders, 33/11 KV Substation in the towns of Charki, Dadri, Gurgaon & Faridabad, in the state of Haryana – India ;Project ID: P110051

Client: Dakshin Haryana Bijli Vitran Nigam, Hisar, India

Start Date: Jun 2010 **Completion Date:** In Progress

Project Location: Charki Dadri, Gurgaon & Faridabad, Haryana India

Project Value: Rs.2300 Million

Description of Services Provided: Project Planning and Scheduling, system planning, engineering & Cost Planning. Design review & design management, assist in procurement process & management, Construction Planning & logistics., Site Supervision & Construction management, progress review & quality monitoring, Project Budget and periodic reviews, Quality assurance plans for supply & installation, Material inspection & certification, Quantity certification, Contract management and administration, Post construction, project close, As Built Documentation, acceptance for handing over, post construction guarantees, insurances, Quantity reconciliation & final bills.



Project Status – In Progress
Performance Certificate issued for Completed Work by Client

Project Name: Restructured Accelerated Power Development and Reforms Programme (R-APDRP) PART-B Government of India Scheme Preparation of the DPR for 12 no. towns (Jagraon, Sangrur, Dhuri, Sunam, Malekotla, Barnala, Khana, Sirhind, Gobindgarh, Roopnagar, Kharar & Nangal) in the state of Punjab, India

Client: Punjab State Power Corporation Limited (PSPCL), Punjab, India

Start Date: Oct 2010 **Completion Date:** Mar 2011

Project Location: Jagraon, Sangrur, Dhuri, Sunam, Malekotla, Barnala, Khana, Sirhind Gobindgarh, Roopnagar, Khara & Nangal, Punjab, India

Project Value: Rs.1818.1 Million

Description of Services Provided: Preparation of DPRs, Technical data collection from the field, Study and planning of works for the preparation of DPR's as per PFC/PSPCL guidelines in all the 12 towns, Renovation, Modernization and strengthening of 66/11kv and 33/11kv substations, Transformers, Re-conduction of lines at 33KV, 11kV Level and below, load bifurcation, feeder separation, load balancing, HVDS(11kV), , Installation of capacitor bank and mobile service centers etc, Preparation of BOQ , Calculation of cost /Loss analysis with payback period , Preparation of the technical specification and RFP documents for the project, Assessment of load forecast for next five years

No Picture

Project Status – Completed



<p>Project Name: Feeder Separation Project for separation of Non –Agricultural and Agricultural Consumers Replacement of Bare LT Line with AB Cable and installation of meters of Unmetered Consumers in Katni (LOT-IV) & Umaria (LOT-XIV) under MPPKVVCL Jabalpur, Madhya Pradesh, India</p>	<p style="text-align: center;">No Picture</p> <p style="text-align: center;">Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Client: KMG ATOZ Systems Pvt. Ltd., Noida, India</p>	
<p>Start Date: Feb 2011 Completion Date: Oct 2011</p>	
<p>Project Location: Katni & Umaaria, Madhya Pradesh, India</p>	
<p>Project Value: Rs.104.52 Million</p>	
<p>Description of Services Provided: GPS Survey of Existing 11 KV Line, Distribution Transformer, LT Network with Pole wise detail of load for Domestic, Non Domestic, Agriculture & Industrial Propose 11KV and LT line network. to achieve the object of segregation of agricultural pump loads and other loads, Survey for the proposed Feeder indicating the locations where guarding for line crossing and road crossing is required, Consumer indexing & asset mapping, Preparation of Bill of quantity (BOQ), Planning studies and simulating the behavior of electrical distribution networks under different operating conditions and scenarios Including distribution network planning, Apply analysis function such as load flow, short-circuit, and network optimizations performed on balanced or unbalanced distribution network built with any combination of phases and configurations</p>	
<p>Project Name: Supervision, Quality Control & Monitoring of 33 & 11 kV Feeder Separation Work in villages under the jurisdiction of MP Poorv Kshetra Vidyut Vitaran Co. Ltd. (MPPKWCL), Jabalpur Madhya Pradesh, India</p>	<p style="text-align: center;">No Picture</p> <p style="text-align: center;">Project Status – Completed</p>
<p>Client: URS Scott Wilson India Private Limited</p>	
<p>Start Date: Jul 2011 Completion Date: Jan 2016</p>	
<p>Project Location: Jabalpur, Madhya Pradesh, India</p>	
<p>Project Value: NA</p>	
<p>Description of Services provided: Suggesting a project-monitoring scheme including technical, physical & financial details, Suggest a Quality Assurance Plan to ensure quality compliance and consistency, Assist in carrying out market surveys and rate analysis as required, Compilation of field data for MIS reports related to materials inspected, supplied and erection, payment bill status and field performance parameters, Conduct technical training sessions (classroom & on site) for upgrading the skills of the project supervision & management staff, Conduct design & engineering training on Cymdist and web communication system, Conduct due diligence audits for monitoring staff performance their duties</p>	



Project Name: Supervision, Quality Control & Monitoring of 11 KV feeder separation work in villages in second phase districts under the jurisdiction of MPPKVVCL Indore, Madhya Pradesh, India

Client: URS Scott Wilson India Private Limited

Start Date: Jul 2011

Completion Date: April 2016

Project Location: Indore, Madhya Pradesh, India

Project Value: NA

Description of Services provided: Suggesting a project-monitoring scheme including technical, physical & financial details, Suggest a Quality Assurance Plan to ensure quality compliance and consistency, Assist in carrying out market surveys and rate analysis as required, Compilation of field data for MIS reports related to materials inspected, supplied and erection, payment bill status and field performance parameters, Conduct technical training sessions (classroom & on site) for upgrading the skills of the project supervision & management staff, Conduct design & engineering training on Cymdist and web communication system, Conduct due diligence audits for monitoring staff performance their duties

No Picture

Project Status – Completed
Performance Certificate issued by Client

Project Name: Underground cabling system with 11 kV feeders / LT line network and proposed 66 / 11 kV GIS Sub-station of 2x15 MVA Power transformers, in Silvassa Municipal area of Dadra and Nagar Haveli, India

Client: Electricity Department Dadra And Nagar Haveli, Silvassa, India

Start Date: Nov 2011

Completion Date: May 2012

Project Location: Dadra and Nagar Haveli, India

Project Value: Rs.992.1 Million

Description of Services Provided: Preparation of Detailed Project Report for switching overhead distribution system to underground distribution system in Silvassa Town with new 66/11 KV GIS S/S

Survey of Existing System, studying of distribution system, detail plan and estimate for proposed Underground system considering future load. Preparation of tender documents for proposed system.



Project Status – Completed
Performance Certificate issued by Client



Project Name: GPS survey and Geo-tech investigation, Soil Test, Civil and Electrical design, Drawing and Engineering support, BOQ, Estimation for 33/11 KV Lines, Distribution transformers and its connected LT network with consumer indexing and Cymdist analysis in Indore city circle under R-APDRP of MPPKVVCL Indore (MP)	No Picture
Client: KEC International Limited	
Start Date: Feb 2012 Completion Date: Dec 2013	
Project Location: Indore, Madhya Pradesh, India	
Project Value: Rs.2341 Million	
Description of Services provided: GPS survey and Geo-tech investigation, Soil Test, Civil and Electrical design, Drawing and Engineering support, BOQ, Detailed Consumer Indexing, Preparation of SLD & nodal diagram with feeder wise colour coding, Preparation of BOQ and calculation of final cost scheme, Calculation of cost / Loss analysis by Cymdist Software with payback period and IRR, Calculation of loss analysis to get the proposed benefits in MU's, Preparation of the technical specification and RFP documents for the project, Assessment of load forecast for next Five year	
Project Status – Completed <i>Performance Certificate issued by Client</i>	

Project Name: Power Sourcing, Transmission & Distribution System and Management Study for 12500 Acres Model Economic Township at Jhajjar	No Picture
Client: Reliance Haryana SEZ Limited	
Start Date: Apr 2012 Completion Date: Sep 2011	
Project Location: Jhajjar, Haryana, India	
Project Value: Rs.2008 Million	
Description of Services Provided: Electrical Load Estimation for 12500 Acre Model Economic Township based on Industrial and land use pattern with load growth using trend analysis for 20 year, Load Forecasting, Load Categorization and Project Phasing for the area based on development strategy, plot mix, domestic, commercial, industrial, their sizes & the services, Load growth estimation and load indices, Study of Existing Transmission Network in the state of Haryana including Substations & EHV Transmission Network, Power System Design and analysis such as load flow, fault study, Preparation of Transmission Plan for SEZ, Electricity Distribution network design, load analysis, load optimization and distribution planning at 33 KV, 11 KV & LT, Electrical Distribution system, considering basic requirements like system reliability, technological options, underground cabling system / Overhead system, Preparation of detail feasibility report with recommendations of optimum alignments, interconnection options at 400 KV, 220 KV & 132 KV, Project costs estimates, bill of materials, suggesting various distribution models with regulatory and statutory recommendations.	
Project Status – Completed <i>Performance Certificate issued by Client</i>	



Project Name: Feeder Separation of Non –Agricultural and Agricultural Consumers/Feeders “Survey, System study, Planning and Design for Feeder Separation on integrated basis for the districts of Patna (Part – II) consisting of 10 Blocks in the state of Bihar (India)	No Picture
Client: IL&FS Energy Development Company Limited	
Start Date: Sep 2013 Completion Date: Jan 2013	
Project Location: Patna, Bihar	
Project Value: Rs.1700 Million	
Description of Services Provided: Feeder Separation of Non –Agricultural and Agricultural Consumers, GPS Survey of Grid Substations typically at 220 KV, 132 KV and 66 KV level, GPS Survey of PSS typically at 33 KV level, Pole to pole survey using GPS instruments to capture each 33kV & 11kV pole, Plotting of GPS points of existing network on block wise maps using Arc GIS, Route survey for proposed HT/LT line & transformer, Preparation of Detailed Project Report, Preparation of Bill of quantity (BOQ) for the proposed works	Project Status – Completed <i>Performance Certificate issued by Client</i>

Project Name: Restructured Accelerated Power Development and Reforms Programme (R-APDRP) PART-B Government of India Scheme Preparation of Detail Project Report for 13 No's of towns under Dakshin Haryana Bijli Vitran Nigam Ltd. (DHVBNL), Haryana (Load flow studies using Cymdist software)	No Picture
Client: Power finance Corporation Consulting Limited (PFCCL), New Delhi, India	
Start Date: Feb 2013 Completion Date: Dec 2013	
Project Location: Barwala, Bhiwani, Faridabad, Fatehabad, Hansi, Hisar, Hodal, MandiDabwali, Narnaul, Palwal, Rewari, Sirsa and Tohana, Haryana, India	
Project Value: Rs. 3915.1 Million	
Description of Services Provided: Base line data collection by interacting with the utility and undertaking site visits., Preparation of digital map of 66kV, 33 kV and 11 kV network of project area, Preparation of feeder wise SLDs of entire 11 kV & LT networks along with nodes / DTs / loads with proper color coding in the software for the purpose of network Analysis, Calculation of the voltage drop power loss in all sections and available voltage at all nodes, Proposing various loss reduction methods to be used in various localities, Preparation of the BOQ, Performing load forecast for next 10 years, Preparation of the detailed DPR	Project Status – Completed <i>Performance Certificate issued by Client</i>



Project Name: Survey, Design, Estimation & Preparation of Detailed Project (DPR) for drawl of Power at 33 KV from 220/33 KV Grid Sub-Stations, Barkote to Kurmitar Iron Ore Mines Via Mahuldia in the district of Sundargarh

Client: Odisha Mining Corporation Limited

Start Date: Sep 2013

Completion Date: June 2014

Project Location: Sundargarh, Odisha, India

Project Value: NA

Description of Services provided: Preparation of Estimate, working drawings, Preparation of item wise quantity estimates & preparation of Bill of Quantities (BOQ) and providing detail specifications for inviting tender, Rate analysis of items as per Schedule of Rate- of Govt. of Odisha, WESCO, and OPTCL confirming to IE Rules & OERC specifications, Supporting OMC to obtain any statutory permission/Clearance from the statutory authority, Preparation of Tender Document indicating the pre-qualification requirement, Preparation of final DPR

No Picture

Project Status – Completed

Project Name: Planning and Designing of Overhead line distribution system for border flood lighting for the Indo-Pak Border in Tharad & Bhuj, Gujarat, India

Total Line Length: 94 Kms

Client: Central Public Works Department, Bhuj, Gujarat, India

Start Date: Dec 2013

Completion Date: Sep 2014

Project Location: Tharad & Bhuj, Gujarat, India

Project Value: Rs.180 Million

Description of Services Provided: Design and Engineering of Overhead distribution system, detailed specifications of items, bill of quantities, analysis of rates from different vendors.

Prepare all required engineering documentation, scrutinize technical bid & financial bid and attend all the meetings related to evaluation of tender and provide all the assistance to the department to finalize the tender

Good for construction / execution" documentation for overhead line distribution system for border flood lighting, coordinate with BSF authorities, PGVCL and CPWD, while working out the designs, details, schedule of work, drawings etc.



Project Status – Completed



Project Name: Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) Government of India Scheme Garhwal Zone Package-A -Preparation of Detailed Project Report (DPR) after carrying out field survey of 140 Nos. villages and 1197 of habitations of 07 Nos. districts of Garhwal zone of Uttarakhand, India

Client: Uttarakhand Power Corporation Limited

Start Date: Mar 2014 **Completion Date:** Sep 2016

Project Location: Garhwal Zone, Uttarakhand, India

Project Value: NA

Description of Services provided: Survey of Existing Distribution network, Preparation of DPR for electrification of villages, Planning of 33/11 KV (or 66/11 KV) Substation and 11 KV & LT Lines, Projecting next 5 years load growth considering past 5 years actual growth, Prepare List of village-wise BPL households with names of head of houses proposed to be electrified under present scheme

No Picture

Project Status – Completed

Project Name: Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) Government of India Scheme Kumaon Zone Package-B -Preparation of Detailed Project Report (DPR) after carrying out field survey of 225 Nos. villages and 769 of habitations of 06 Nos. districts of Kumaon zone of Uttarakhand, India

Client: Uttarakhand Power Corporation Limited

Start Date: Mar 2014 **Completion Date:** June 2016

Project Location: Kumaon Zone, Uttarakhand, India

Project Value: NA

Description of Services provided: Survey of Existing Distribution network, Preparation of DPR for electrification of villages, Planning of 33/11 KV (or 66/11 KV) Substation and 11 KV & LT Lines, Projecting next 5 years load growth considering past 5 years actual growth, Prepare List of village-wise BPL households with names of head of houses proposed to be electrified under present scheme

No Picture

Project Status – Completed



<p>Project Name: Third Party Monitoring And Evaluation Of One Time Maintenance Works Estimated And Executed In BESCOM</p>	<p>No Picture</p>
<p>Client: Bangalore Electricity Supply Company Limited (BESCOM)</p>	
<p>Start Date: Jan 2015 Completion Date: Mar 2016</p>	
<p>Project Location: Bangalore</p>	
<p>Project Value: Rs.145 Million</p>	
<p>Description of Services Provided: Perform physical verification and include in the report comments on alignment of line, conductor sag, provision of requisite materials, and safety guarding at road crossings, provision of additional stay at tension points and fittings, Quality of materials, workmanship and general quality of works, Identify non compliances and suggest necessary improvements and compliance methodologies, Technical audits to ascertain and certify the standard of implementation and adherence to guidelines.</p>	<p>Project Status – Completed</p>
<p>Project Name: Preparation of the Detailed Project Report for Conversion of overhead lines into underground cables in Cuddalore, Nagapattinam & Valankanni Towns in Tamil Nadu, India under CDRRP (Coastal Disaster Risk Reduction Project) funded by World Bank</p>	<p>No Picture</p>
<p>Client: Tamilnadu Generation And Distribution Corporation Ltd.</p>	
<p>Start Date: Feb 2015 Completion Date: Dec 2016</p>	
<p>Project Location: Tamil Nadu</p>	
<p>Project Value: Rs.60 Million</p>	
<p>Description of Services Provided: GPS survey of Existing Distribution System, Study of existing system & Auto Cad drawing preparation, Interaction with Public while doing survey to understand the impact of this project and one consultation meeting at District level as Collector is Chairperson, Study of Load pattern & Load forecast for next 10 Years up to year 2025, Layout of HT & LT Network, Strip Plan, Route Drawing showing the all information of area like Road information, Religious buildings ,Health centre etc, Preparation of Auto Cad drawing for Proposed HT & LT Network (2700 Drawings Approx.), Preparation of Detailed Technical Specification, Study of Environment & Social effect of this project, Preparation of Single Line Diagram & General Drawings for the Project, Preparation of BOQ, Preparation of Detailed Project Report, Preparation of Environment & Social Report, Preparation of BID Document for the project</p>	<p>Project Status – Completed</p>



Project Name: Project Management Services for Integrated Power Development Scheme (IPDS), for Twenty Nine (29) Towns in five (5) Circles Gol Schemes of Eastern Power Distribution Company of A.P. Ltd. (APEPDCL) & Fifty Four (54) Towns of eight (08) Circles Gol Schemes of Southern Power Distribution Company of A.P. Ltd (APSPDCL)

Client: PFC Consulting Limited

Start Date: Oct 2015 **Completion Date:** In Progress

Project Location: Vishakhapatnam and Tirupati

Project Value: Rs.65 Million

Description of Services Provided: Coordination & monitoring of project implementation activities, To monitor DPR wise weekly, monthly physical & financial progress of the scheme, prepare a consolidated report & submit to APSPDCL for onward submission, Submit a report to Nodal Agency, regarding project completion and expenditure incurred along with recommendation in accordance with the guidelines, Field quality inspection of ongoing/completed works, Joint inspection (along with representative of APSPDCL) of material at site on sample basis i.e. 10 % of major materials (Poles, Conductor, Meters, Transformers, Cable), Assisting APSPDCL in timely updation of information on Web portal, Monthly reporting to the Project Management Cell of APSPDCL concerned officials

No Picture

Project Status – In Progress

Project Name: Third Party Inspecting Agency (TPIA), in respect of DDUGJY (RGGVY) works of XII plan, in Mandya districts

Client: Chamundeshwari Electricity Supply Corporation Limited

Start Date: Aug 2015 **Completion Date:** In Progress

Project Location: Karnataka

Project Value: Rs.120.41 Million

Description of Services Provided: TPIA shall inspect the materials at manufacturing premises, with reference to specifications as per DWA; Distribution Transformer – 25 KVA, 11KV Class, 3 Phase, 433 Volts, 50 Hz, Overhead conductors (Rabbit & Weasel), Static Energy Meters, Single & three Phase, Meter Housing Box & CTs, for Transformer Centers, RCC Poles 8 / 9 Mtrs., PSC poles 8 / 9 Mtrs., Insulators – 11KV Class, 1.1 KV Class, Disc Insulator – 45 KN, No. 8 & 15 Strain Insulators, Lightning Arrestors – 11KV, G.O.S 400 amps, double break & 200 Amps Single break, H.G. Fuse Unit, Earthing materials (GI Pipe type & Spiral earth electrode), LT Wiring Kit, Hard ware materials such as GI, Structural materials, Service Connection materials such as insulated wire, MCB, LED lamp, Meter Protection box etc.

No Picture

Project Status – In Progress



<p>Project Name: Third Party Inspecting Agency (TPIA), in respect of DDUGJY (RGGVY) works of XII plan, in Mysore districts</p>	<p>No Picture</p>
<p>Client: Chamundeshwari Electricity Supply Corporation Limited</p>	
<p>Start Date: Aug 2015 Completion Date: In Progress</p>	
<p>Project Location: Karnataka</p>	
<p>Project Value: Rs.181.49 Million</p>	
<p>Description of Services Provided: TPIA shall inspect the materials at manufacturing premises, with reference to specifications as per DWA; Distribution Transformer – 25 KVA, 11KV Class, 3 Phase, 433 Volts, 50 Hz, Overhead conductors (Rabbit & Weasel), Static Energy Meters, Single & three Phase, Meter Housing Box & CTs, for Transformer Centers, RCC Poles 8 / 9 Mtrs., PSC poles 8 / 9 Mtrs., Insulators – 11KV Class, 1.1 KV Class, Disc Insulator – 45 KN, No. 8 & 15 Strain Insulators, Lightning Arrestors – 11KV, G.O.S 400 amps, double break & 200 Amps Single break, H.G. Fuse Unit, Earthing materials (GI Pipe type & Spiral earth electrode), LT Wiring Kit, Hard ware materials such as GI, Structural materials, Service Connection materials such as insulated wire, MCB, LED lamp, Meter Protection box etc.</p>	<p>Project Status – In Progress</p>
<p>Project Name: Project Management Agency (PMA) for implementation of DDUGJY/IPDS for Tripura State Electricity Corporation Limited" (TSECL)</p>	<p>No Picture</p>
<p>Client: Tripura State Electricity Corporation Limited (TSECL)</p>	
<p>Start Date: April 2016 Completion Date: In Progress</p>	
<p>Project Location: Tripura</p>	
<p>Project Value: Rs.14.76 Million</p>	
<p>Description of Services Provided: Finalizations of BOQ, Preparations of RFP including GTP, Technical specifications, drawing and general terms and conditions of contract, Verifying the detailed survey report submitted by agency including freezing of bill of quantity, material and works to be executed including verifying CPM/PERT/Bar chart, Supervision/monitoring of the Bar chart/respective MIS report generated for the works being executed by the agency, Preparation of work completion reports, Testing and certifying commissioning of the project, Report compilation regarding progress of the project, Preparation and formulation of revised Detail Project Report (DPR), Monitoring and coordination of bidding process, Coordination & monitoring of project implementation activities</p>	<p>Project Status – In Progress</p>



Electrical Substation

The company has capability for Design and Engineering of Substations upto 765 KV. The company provides following services.

- ✦ Preparation of feasibility report
- ✦ Design & Engineering Support(Electrical, Civil, Structural & Electromechanical)
- ✦ Technical specifications & bid documentation
- ✦ Evaluations of bids –Technical & commercial
- ✦ Bid process management & assistance in award of work
- ✦ Design review and design management
- ✦ Design coordination and Management
- ✦ Detailed Engineering & Constructional Drawing
- ✦ Construction Supervision of Electrical & Civil Works



Major Domestic & International Assignments

<p>Project Name: Consultancy Services for Engineering of Proposed 33/11 KV grid substation at Kingsway Camp, Payal Cinema, Bhkhatwarpur, Tri-nagar, Shalimar Bagh, University, Tripolia and 66/11 KV Substation at GhevaraSavda, PitamPura-II, RG-24, Pitampura H4-H5 in New Delhi</p>		<p>No Picture</p>
<p>Client: North Delhi Power Limited</p>		
<p>Start Date: Nov 2004</p>	<p>Completion Date: Feb 2005</p>	
<p>Project Location: New Delhi, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Preparation of core design/document, Preparation of tender drawings, Quantity take off and BOQ, Project Estimate/Project cost plan, Technical support during constructions, Preparation of tender document with detailed Bill of Quantity for civil and electrical works, Pre tender Design co-ordination (Electrical & civil), Design compliance to IE Act, IER, recommended standards and local utility norms, Supervision of site investigation and survey.</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Project Name: Design & Engineering works including Civil, Structural and Electrical Engineering for PGCIL 400kV S/S (400/220KV Substation Agra, 400/220 KV Substation Jaipur, 400 /220 KV substation Bhadrawati and Chandrapur</p>		<p>No Picture</p>
<p>Client: Crompton Greaves Limited</p>		
<p>Start Date: May 2005</p>	<p>Completion Date: Jan 2007</p>	
<p>Project Location: Bhadrawati & Chandrapur, Maharashtra, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Preparation of all drawings, layouts, all electrical design calculations and drawings. Preparation of civil, Structural drawings for Tower/Beam structure, equipment Structure, All other Civil Infrastructural Works.</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>



<p>Project Name: Design and Engineering for Electrical works related to 400/220 kV Ludhiana, Jallandar (extrn), Malerkotla substations of Power Grid Corporation of India Ltd.</p>		<p>No Picture</p>
<p>Client: IRCON International Limited (For PGCIL)</p>		
<p>Start Date: Jul 2006</p>	<p>Completion Date: Aug 2008</p>	
<p>Project Location: Ludhiana, Jallandar & Malerkotla, Punjab, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: General Layout Plan & General Arrangement, all engineering design for Civil and Electrical works of the substations, Design for substation structures like towers / beams, tower & equipment support foundations, reactor foundations, substation civil infrastructure.</p> <p>Preparation of procurement specifications for EPC, Bill of quantities for the project, design approvals and site / design co-ordination.</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Project Name: Design and Detailed Engineering for substations of Power Grid for 400 KV Bay Extension work at Hyderabad, Munirabad, Hiriyur, Kolar & Kaiga</p>		<p>No Picture</p>
<p>Client: TATA Projects Ltd.</p>		
<p>Start Date: Jun 2009</p>	<p>Completion Date: Aug 2009</p>	
<p>Project Location: Munirabad, Hiriyur, Kolar&Kaiga, Hyderabad, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Structural & Reinforced Steel & Cement quantity calculation for all foundation required for Substation, Clearance Diagrams, BOQ of all items, Power & Control Cable Schedule, Cable Estimation, Sag Tension, Stringing Chart, ACDB/DCDB Detailing, Lighting Calculation & Layout, DSLP Layout & Design, Layouts for Drain Interconnection, Earth mat layout, Equipment Earthing, Control Room, Cable Sizing Calculation</p>		<p>Project Status – Completed</p>



<p>Project Name: Design and Detailed Engineering for substations for 400 KV Bay Extension work at Wagoora Substation</p>	<p>No Picture</p>
<p>Client: TATA Projects Ltd.</p>	
<p>Start Date: June 2009 Completion Date: Sep 2009</p>	
<p>Project Location: Wagoora, Jammu & Kashmir</p>	
<p>Project Value: NA</p>	
<p>Description of Services Provided: Structural & Reinforced Steel & Cement quantity calculation for all foundation required for Substation, Clearance Diagrams, BOQ of all items, Power & Control Cable Schedule, Cable Estimation, Sag Tension, Stringing Chart, ACDB/DCDB Detailing, Lighting Calculation & Layout, DSLP Layout & Design, Layouts for Drain Interconnection, Earth mat layout, Equipment Earthing, Control Room, Cable Sizing Calculation</p>	<p>Project Status – Completed</p>
<p>Project Name: Consultancy Services for detailed design engineering associated with construction of 220 KV Substation and associated transmission line for Goa Electricity Department</p>	<p>No Picture</p>
<p>Client: IRCON International Ltd.</p>	
<p>Start Date: Sep 2009 Completion Date: Dec 2009</p>	
<p>Project Location: Cuncolim and Xeldem ,Goa, India</p>	
<p>Project Value: NA</p>	
<p>Description of Services provided: Preparation of Technical Specification for Illumination System, Earthing System, Power and Control Cables, Communication Network Cables, Fire Protection System, Substation and transmission line Structure etc. Electrical Design and Drawings, for DSLP, Gantry, Equipment Structure, Earthing Design, Illumination system, fire protection and General electric layout, Gantry loading details, layout plans, loading diagram, tower and girder design calculations, drawings. Preparation of BOQ for control and power cables, illumination system, Fire Protection system, Station auxiliary supply and for control and protection system. Civil Design and Drawing of transformer foundation, gantry tower foundation, equipment foundation, lightning mast foundation, station auxiliary supply yard, cable trench sections, drain and water harvesting system, road, substation fencing, street light pole foundation, fire protection pump house building, fire water Reservoir, Parking Shade, AC kiosk.</p>	<p>Project Status – Completed</p>



<p>Project Name: Detailed Engineering (Civil & Electrical), Preparation of all Bidding Documents for 400/220/132/33 KV Substation Construction Project at Mirza, Assam</p>		<p>No Picture</p>
<p>Client: Assam Electricity Grid Corporation Ltd. Guwahati</p>		
<p>Start Date: Dec 2009</p>	<p>Completion Date: Dec 2010</p>	
<p>Project Location: Mirza, Assam, India</p>		
<p>Project Value: Rs.1340Million</p>		
<p>Description of Services provided: Finalization of site layout plan for the substation, Finalization of ratings of electrical equipment – all substation equipment, Finalization of transformer & reactor protection system, line protection, bus bar protection systems, Design criteria & calculations, Complete Bill of quantities for 400KV, 220 KV and 132 KV levels, Bid process management & assistance in award of contract, Preparation of Bidding Document to procure the Auto Transformers and Reactors, Preparation of Bidding Document to build the substation through a design, build and install turnkey contractor including all civil works inside the switch yard</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Project Name: Complete consultancy, detailed Electrical & Civil Design, Drawings & Engineering work pertaining to 66/11KV Substation at Zambia as per applicable IEC standards</p>		<p>No Picture</p>
<p>Client: Angelique International Limited</p>		
<p>Start Date: Aug 2012</p>	<p>Completion Date: Aug 2013</p>	
<p>Project Location: Zambia</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Detailed Electrical & Civil Design, Drawings & Engineering work pertaining to 66/11 KV Substation & Bay extension, BOQ, Drawings and all the associated detailed design and engineering works required for completion of the substation (including fencing, gates and peripheral drain)</p>		<p>Project Status – Completed</p>



Project Name: Complete consultancy, detailed Electrical & Civil Design, Drawings & Engineering work pertaining to 115/22kV Nabong and Thabok Substation & Bay extension of KhoskaAD Substation at Lao-PDR		No Picture
Client: Angelique International Limited		
Start Date: Aug 2012	Completion Date: Aug 2013	
Project Location: Lao PDR		
Project Value: NA		
Description of Services provided: Detailed Electrical & Civil Design, Drawings & Engineering work pertaining to 115/22 kV Substation, BOQ, Drawings and all the associated detailed design and engineering works required for completion of the substation		Project Status – Completed

Project Name: 132 kV switchyard at 2 X 67.5 MW Thermal Power Plant, Anantapur Village, Athagarh (Tehsil) Cuttack District, Odisha, India		No Picture
Client: Siemens Ltd, Gurgaon, India		
Start Date: Oct 2013	Completion Date: Aug 2014	
Project Location: Cuttack, Odisha, India		
Project Value: NA		
Description of Services provided: Complete design & engineering of switchyard including all electrical works, Preparation of engineering drawings, design calculation and construction / installation detailed drawings, Designing calculations for 132 KV substation gantry towers / beam with tower loading data, Designing calculations for substation equipment structures with structure loading details, Tower/ beam and equipment structure drawings with BOM / weight of each structure, Civil & electrical interface		Project Status – Completed



Project Name: Civil work Design for LOT 2 (Kawanda) & Lot 3 (Masaka and Mbarara) Substations in Republic of Uganda		No Picture
Client: Shandong Taikai Power Engineering Go. Ltd.		
Start Date: Dec 2014	Completion Date: Mar 2016	
Project Location: Republic of Uganda		
Project Value: NA		
<p>Description of Services Provided: Civil Design and Drawings: Switchyard Stone Spreading Layout, Section & Details, Switchyard Trench Design & Layout, Foundation Drawing of Lighting Pole, Foundation Design, Transformer Design & Drawings, Guard House Drawings, Structure Drawings, Control Room Building Design & Drawings, Foundation Design of Lightning Mast</p>		
		Project Status – Completed

Project Name: Civil work drawings & design for G3 Lot 2 Substation project in Republic of Yemen		No Picture
Client: Shandong Taikai Power Engineering Go. Ltd.		
Start Date: Feb 2015	Completion Date: Jun 2017	
Project Location: Republic of Uganda		
Project Value: NA		
<p>Description of Services Provided: Civil Design and Drawings: Switchyard Stone Spreading Layout, Section & Details, Switchyard Trench Design & Layout, Foundation Drawing of Lighting Pole, Foundation Design, Transformer Design & Drawings, Guard House Drawings, Structure Drawings, Control Room Building Design & Drawings, Foundation Design of Lightning Mast</p>		
		Project Status – Completed



Mixed Use Mega Townships (Residential & Industrial), Industrial Projects, Special Economic Zone, Metros, Airports, other Infrastructure

The company provides consultancy / advisory for Electrical Infrastructure for Residential Townships, Industrial Townships, Industrial Projects, Airports, Metros, Special Economic Zones, etc. The company provides following services.

- ⊕ Load Estimation Studies and Trend Analysis
- ⊕ Load Forecasting and Load Categorization
- ⊕ Load growth estimation and Load Indices
- ⊕ Power Sourcing studies and Transmission & Distribution Planning
- ⊕ Survey for Interconnection options and Power Sourcing Arrangements.
- ⊕ Conceptual design, Design Criteria, system planning & design
- ⊕ Preparation of Feasibility Report, BOQ & Cost Estimates
- ⊕ Design & Engineering, Bid Process Management and Construction Supervision
- ⊕ Regulatory & Legal Framework



Major Domestic & International Assignments

Project Name: Consultancy Services for Electrical works of Township, Golf Link at Mohali (Approx. 260 Acres Area), Kailon Village (168 Acres Township) –Mohali, Esencia (140 Acres Township)-Gurgaon, Golf Link 1&2-Mohali and Hampton Court(40 Acres Industrial Park)-Ludhiana

Client: Ansal Properties & Infrastructure Ltd.

Start Date: Nov 2006

Completion Date: Mar 2011

Project Location: Mohali, Ludhiana, Gurgaon, India

Project Value: NA

Description of Services provided: Preparation of Preliminary Design Report and sketches identifying estimated Electrical loads, basic design concept and budgetary cost estimates, Preparation of Design Drawings showing High Tension, Low Tension Systems, Control Room, Distribution etc, including telephone & TV networks, Preparation of Tender Documents including Special Conditions of Contract, Technical Specifications and Detailed Scheme of quantities on the basis of Design Drawings, Preparation of detailed cost estimate of electrical and other works.



Project Status – Completed

Project Name: Complete electrical Transmission and Distribution system consisting of 132 KV Substation and 33KV substation, Kundli for 1000 acre Industrial Estate at Kundli

Client: Haryana Industrial & Infrastructure Development Corporation (HSIIDC)

Start Date: Aug 2007

Completion Date: May 2009

Project Location: Kundli, Haryana, India

Project Value: NA

Description of Services provided: Preparation of all the electrical and civil drawings, Preparation of feasibility report for all the substations and distributions systems, Preparation of Conceptual design, Design Criteria, System Planning & basic design, , Preparation of cost estimates for electrical and civil works, Preparation of tender documents for invitation of bids, Preparation of Technical specifications & bid documentation, Post award design support and design co-ordination during construction, Civil and Electrical interface and co-ordination, Review of vendor drawings & approvals on behalf of the client

No Picture

Project Status – Completed



Project Name: Complete electrical Transmission and Distribution system consisting of 132 KV Substation for MRSS for 1000 acre Industrial Estate at Bahadurgarh

Client: Haryana Industrial & Infrastructure Development Corporation (HSIIDC)

Start Date: Aug 2007

Completion Date: May 2009

Project Location: Bahadurgarh, Haryana, India

Project Value: NA

Description of Services provided: Preparation of all the electrical and civil drawings, Preparation of feasibility report for all the substations and distributions systems, Preparation of Conceptual design, Design Criteria, System Planning & basic design, Preparation of cost estimates for electrical and civil works, Preparation of tender documents for invitation of bids, Preparation of Technical specifications & bid documentation, Post award design support and design co-ordination during construction, Civil and Electrical interface and co-ordination, Review of vendor drawings & approvals on behalf of the client

No Picture

Project Status – Completed

Project Name: Electrical Transmission and Distribution system for 2000 Acre Industrial Estate at Rohtak, Haryana (India) consisting of 132 KV, Substation and 33 KV & 11 KV Distribution system.

Client: Haryana Industrial & Infrastructure Development Corporation (HSIIDC)

Start Date: Aug 2007

Completion Date: Apr 2011

Project Location: Rohtak, Haryana, India

Project Value: Rs.263.6Million

Description of Services provided: Preparation of Conceptual design, Design Criteria, System Planning & basic design, Preparation of feasibility report for Transmission and distributions systems, Study of Power Sourcing options, equipment selection & transmission & Distribution Plan, Preparation of cost estimates for electrical and civil works, Preparation of tender documents for invitation of bids, Preparation of Technical specifications & bid documentation, Post award design support and design co-ordination during construction, Civil and Electrical interface and co-ordination, Review of vendor drawings & approvals on behalf of the client. Erection & Commissioning support.



Project Status – Completed

Performance Certificate issued by Client



Project Name: Delhi Metro Rail Corporation- Design/Engineering and Drawings for Delhi MRTS, Phase-II 220/33 kV & 220/25 kV Sub-Station for Delhi Metro Rail Corporation (Jahangirpuri, Ambedkar Colony, Botanical Garden, Mundka, SaritaVihar and 66 KV SushantLok (GIS))

Client: IRCON International Ltd, new Delhi, India

Start Date: Feb 2008

Completion Date: Dec 2008

Project Location: New Delhi, India

Project Value: Rs.1900Million

Description of Services provided: Preparation of equipment layout, all construction drawings, Technical support during construction, Bill of quantities, Site & design co-ordination

As Built documentation for DMRC.

Project Status – Completed

Performance Certificate issued by Client

Project Name: Delhi International Airport - Design and Engineering Work, 66 KV and HT Cabling Routing, Lighting Design, Earthing & Lightning Protection Design, Battery and Charger Design & LT Power Cabling

Client: Areva T&D India limited, Noida, India

Start Date: Jun 2008

Completion Date: Dec 2008

Project Location: New Delhi, India

Project Value: NA

Description of Services provided: Survey and route alignment for Underground cabling engineering for 66/11kV Distribution network, Technical support during constructions, Preparation of layout drawings / Sectional drawings, Design of lightning protection system, calculation and layout, Design of illumination system for Airside substation 1 and 3, 66/11kV Substation and street lighting including lighting design calculation and layout.

Co-ordination with other agencies working on DIAL project.



Project Status – Completed



Project Name: Consultancy Services for Detailed Design & Drawings of electrical Installation and civil works related to electrical installation for Construction of New Rail Coach Factory at Rae Bareli, (UP) including Detail Design of Transmission & Distribution system, Electrical Design of 132/11 kV Sub Station

Client: IRCON International Limited

Start Date: Aug 2010 **Completion Date:** Aug 2012

Project Location: Rae Bareli, Uttar Pradesh, India

Project Value: Rs.2400Million

Description of Services provided: Site Survey and Soil Investigation report, Preparation of designs and drawings for 132/11 kV of Main Receiving substation (MRS), Auxiliary sub stations (ASS), control room building, toilets, and other civil work design, Electrical system design (MRS) includes design and drawing of equipments layout plan, power supply SLD, Bus bar system, Detail design and capacity workout for all the associated equipment of substation like power Transformer (with RTCC), Isolators (manual/motorized) Circuit Breakers, Current Transformers PT, Bus coupler lightning arrestors all other associate work, All the detail design and drawing work related to 11 kV/415 volts Indoor Auxiliary Substation (10 no's) and one traction substation.

No Picture

Project Status – Completed
Performance Certificate issued by Client

Project Name: Construction of a 66KV – Switchyard / Substation at HPCL, Ramanmandi dispatch station (within the premises of HMEL refinery), in District - Bathinda, Punjab.

Client: Hindustan Petroleum Corporation Limited, Bhatinda, Punjab, India

Start Date: Aug 2012 **Completion Date:** Nov 2012

Project Location: Bhatinda, Punjab, India

Project Value: Rs.156.8Million

Description of Services provided: Preparation of detail feasibility report along with basic engineering for sourcing electrical power supply from Punjab State Power Corporation Limited (PSPCL) at 66 KV level and its integration with existing source of power supply at 33 KV level which is being fed from CPP of M/s HMEL which will be a stand-by source of power supply, Study of existing 33KV GIS based indoor substation, 33 KV Network, 33/6.9 KV switching station, 6.9 KV distribution system and LT System, Project costs estimates, bill of materials, indicative reference drawings, brief technical data & maintenance guidelines and cost benefits

Project Status – Completed
Performance Certificate issued by Client



Project Name: Electrical designing, Drawings, Consultancy work for Maruti C-Line Project at Manesar, Haryana

Client: M/s Rohini Industrial Electricals Ltd. Subsidiary of Voltas Limited, New Delhi

Start Date: Nov 2012

Completion Date: Mar 2013

Project Location: Manesar, Haryana, India

Project Value: NA

Description of Services provided: Preparation of Bill of Materials, Preparation of BOQ after approval of all drawings, Design and Engineering Support, Detailed Bus-Duct layout drawings, Detailed structural support for BT & Reviewing Bus duct design & drawings, Detailed Cable tray layouts, Supporting arrangements layout & drawings., Substation layouts, Yard layout & transformer foundation details, HT, LT cabling schedule & layouts, routing drawings, Solar lighting layouts, Street lighting & emergency layouts, Wiring & ladder diagram for remote operation panel, Lighting & Fans operation control scheme, Layouts for all DBs, Fans, Lights etc inside shop

No Picture

Project Status – Completed



Solar Power

The company provides following services.

- ✦ Site Assessment, approach and accessibility, available land, topography and soil condition, solar radiation, power evacuation and water availability.
- ✦ Study Site Data and estimate energy yield
- ✦ Technology, Financial Studies and Project Techno Economic Viability
- ✦ Environmental and Social Impact
- ✦ Feasibility Reports / Bankable Reports
- ✦ Design & Engineering
- ✦ Procurement, Bid Process Management & Vendor Evaluation
- ✦ Construction Supervision and Quality Assurance at Site
- ✦ Assist in Regulatory and Statutory matters
- ✦ Operation and Maintenance



Major Domestic & International Assignments

<p>Project Name: - Feasibility Study, Project Design, Preparation of Tender Document and Technical Specification for 2 MW Solar Power Plant for Rail Coach Factory at Rae Bareli</p>		<p>No Picture</p>
<p>Client: IRCON INTERNATIONAL LIMITED</p>		
<p>Start Date: Aug 2010</p>	<p>Completion Date: Feb 2014</p>	
<p>Project Location: Rae Bareli, Uttar Pradesh India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Technical specifications of 2 MW grid connected SPV Power plant with inverters, metering system etc. & all other associated equipments, PV system calculations, Bill of materials and cost estimates.</p>		<p>Project Status – Completed</p>
<p>Project Name: Consultancy work for 120 kW Capacity Solar Power Pilot Project</p>		<p>No Picture</p>
<p>Client: PME Power Solutions (INDIA) Ltd.</p>		
<p>Start Date: Feb 2011</p>	<p>Completion Date: July 2011</p>	
<p>Project Location: Noida</p>		
<p>Project Value: NA</p>		
<p>Description of Services Provided: Consultancy on implementation and commissioning of the system, All Electrical drawings including cable schedule etc., Preparation of all detailed Bill of Quantities, Land plan/complete layout, All civil drawings including fencing, cable trenches, foundation etc. shall be in your scope</p>		<p>Project Status – Completed</p>



Project Name: Complete Design and engineering of 9MW solar power plant in Pratapgarh, Gujarat along with detail engineering for construction of a 66kV switchyard

Client: ETA Delhi

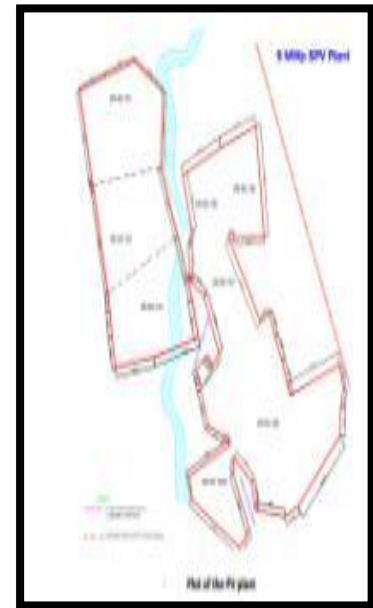
Start Date: Jun 2011

Completion Date: Dec 2011

Project Location: Gujarat, India

Project Value: NA

Description of Services provided:: Design of Array and strings of polycrystalline, monocrystalline and thin film module including its earthing protection and lightning protection, D.C Cable sizing calculation and specification, PCU room design , layout and specification, Complete engineering and design of 66kV switchyard, including all civil and structure works. Project costs estimates, bill of materials, indicative reference drawings, brief technical data & maintenance guidelines and cost benefits, Cost Estimates for Civil & Structural works



Project Status – Completed

Project Name: - Preparation of Feasibility Report and preparation of Bid Document along with Power Evacuation Scheme for 100 MW Solar Park

Client: IL&FS Energy Development Company Limited

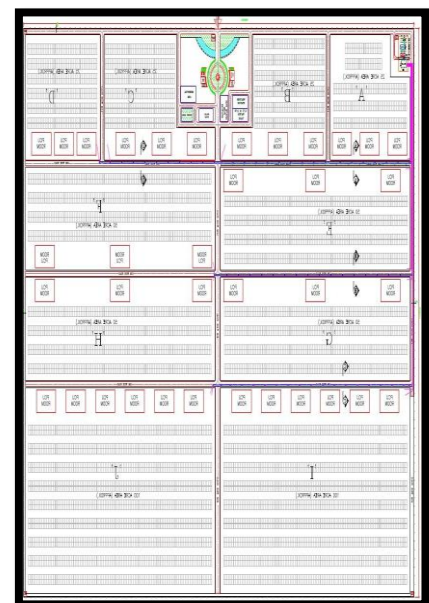
Start Date: Oct 2013

Completion Date: Feb 2014

Project Location: Rewa, Madhya Pradesh, India

Project Value: NA

Description of Services provided: Preparation of bid document for land development of 100 MW Solar Park, Locating of Useful area for the project. Layout Planning of various capacities of Solar plants in the useful area, various capacities will include solar plants of 20 MW – 2 Nos., 10 MW – 4 Nos. & 05 MW – 4 Nos. Layout planning, Civil and Electrical Designs, Drawings and cost Estimations of various facilities in the park area such as Approach road for Solar park, Fence / Compound wall for proposed solar park, Park Management office, Centralized O & M office, Security rooms



Project Status – Completed



Hydro Power

The company provides following services.

- ⊕ Identifying Potential Hydel Sites, Site Assessment and Site Feasibility Studies
- ⊕ Preparation of Pre-Feasibility Report
- ⊕ Carrying out Detailed Survey for optimum utilization of water resources
- ⊕ Technical, Economical and Financial viability of the Project
- ⊕ Preparation of Techno Economic Feasibility Report and Detailed Project Report
- ⊕ Tender preparation, negotiations, Selection of Suppliers/ Contractors
- ⊕ Designing, Construction Supervision
- ⊕ Assisting in obtaining various Govt. Clearances for implementing the project
- ⊕ Operation and Maintenance



Major Domestic & International Assignments

<p>Project Name: - Consultancy services for Planning, Designing and Detailed Engineering for Electrical, Electromechanical works for 3x7.5 MW Bhilangana Hydro Power Plant at Ghansali Village, Tehri Garhwal District, Uttaranchal</p>	<p>No Picture</p>
<p>Client: Swasti Power & Engg. Limited</p>	
<p>Start Date: Jun 2005 Completion Date: Oct 2009</p>	
<p>Project Location: Ghansali Village, Tehri Garhwal District, Uttaranchal, India</p>	
<p>Project Value: Rs.1648.4 Million</p>	
<p>Description of Services provided: Pre-engineering design, Design briefs for Electrical, Electromechanical, auxiliaries as per recommended National & International codes, Formulation of Packages for the Procurement, Supply & Erection of Electrical & Electromechanical equipment, Preparation and Floating of Pre-Qualification Document followed by evaluation and final short listing, Preparation of Tender Document, Support during construction & commissioning of power plant</p> <p>Power plant design review and design finalization for all electrical & electromechanical works</p> <p>Total project management support for electrical & electromechanical works</p>	<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>
<p>Project Name: - Preparation of Detailed Project Report for Decentralized Distribution Generation (DDG) Project, in Assam</p>	<p>No Picture</p>
<p>Client: Assam Power Project Development Company Private Ltd</p>	
<p>Start Date: May 2010 Completion Date: Aug 2010</p>	
<p>Project Location: Assam, India</p>	
<p>Project Value: NA</p>	
<p>Description of Services provided: Identify and develop a suitable technology for optimum power generation (Hydro) based on techno-economic considerations as the source of power for electrification of the villages, Develop a suitable transmission & distribution system for the electrification of the un-electrified villages</p>	<p>Project Status – Completed</p>



<p>Project Name: - Review and updation of detailed project report for the 14.5 MW Pareng hydro electric power project in Arunachal Pradesh</p>		<p>No Picture</p>
<p>Client: Virtuaal Pareng Hydro Pvt. Ltd.</p>		
<p>Start Date: Feb 2012</p>	<p>Completion Date: July 2012</p>	
<p>Project Location: Pareng, Arunachal Pradesh, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Review and analyze the available hydro metrological data, Carry out power potential optimization studies to review the Capacity and unit configuration, Prepare designs of Power House structures required for the selected alternative, Configure the upstream & downstream water conductor system, Configure the Electrical Control System, Study and Suggest the best available power evacuation scheme, BOQ and Cost estimates of Power House, Validation of BOQ & Cost estimates of upstream works.</p>		<p>Project Status – Completed</p>
<p>Project Name: - Preparation of Detail Project Report for 4 X 2 MW Manhara Project (Khardaha Dhar River)</p>		<p>No Picture</p>
<p>Client: Bihar State Hydroelectric Power Corporation Ltd</p>		
<p>Start Date: May 2012</p>	<p>Completion Date: May 2013</p>	
<p>Project Location: Manhara, Bihar, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Power potential studies based on preliminary survey and hydrological data available with WRD, Bihar as well as CWC and fixation of head, discharge, number of units etc. for the hydro power project, Detailed Survey & Investigations will be taken up after its approval by BHPC.</p>		<p>Project Status – Completed</p>



Project Name: Providing Detailed Engineering and Design Services regarding Diversion Weir, Under Sluice & Intake Structure of Sangrah MHP (2 x 750 kW).		No Picture
Client: IMP Energy Ltd		
Start Date: May 2014	Completion Date: Nov 2014	
Project Location: Kargil, J&K		
Project Value: NA		
<p>Description of Services Provided: Preparation of detailed BOQ of all above components, Providing of detailed construction drawings for all above components, Providing of Bar Bending Schedule for all above components, Attending to correspondence with client i.e., KREDA, pertaining to design work</p>		Project Status – Completed

Project Name: Preparation of DPR for Renovation, Modernization and up gradation of Harsil Small Hydro Project Capacity (2x100 KW) Block - Bhatwari, Distt- Uttarkashi		No Picture
Client: Uttarakhand Renewable Energy Development Agency (UREDA)		
Start Date: Jan 2015	Completion Date: April 2015	
Project Location: Uttarkashi ,Uttarakhand		
Project Value: NA		
<p>Description of Services Provided: Power evacuation System, Construction Methodology, R&M Programe and Cost Estimates, Generation Cost, Technical features of the project, Water power/Water Discharge studies, Hydrological design, Geological Survey Report</p>		Project Status – Completed



Wind Power

The company provides following services.

- ✦ Wind Resource Assessment
- ✦ Due diligence for wind resource, project financing, technical and policy issues
- ✦ Evaluation of techno-economic offers for investors
- ✦ Preparation of pre-feasibility/feasibility reports, and detailed project reports
- ✦ Bid Process Management
- ✦ Construction Supervision
- ✦ Assist in regulatory matters and financial advisory for setting up projects



Major Domestic & International Assignments

Project Name: - Preparation of DPR for erection of 10 to 15 MW wind farm projects in Belgaum district.		No Picture
Client: Greenfive Power Private Limited		
Start Date: Mar 2007	Completion Date: May 2007	
Project Location: Belgaum, Gujarat, India		
Project Value: NA		
<p>Description of Services provided: Wind generation estimation for the proposed site, Land availability, survey and preliminary wind farm configuration for the proposed site, feasibility study, preparation of detailed project report, assistance in application of generating licence.</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>

Project Name: - Preparation of DPR for erection of 40+ MW wind farm projects in Kachchh district, Gujrat		No Picture
Client: Greenfive Power Private Limited		
Start Date: Oct 2008	Completion Date: Dec 2008	
Project Location: Kachchh, Gujarat India		
Project Value: NA		
<p>Description of Services provided: Wind generation estimation for the proposed site, Land availability, survey and preliminary wind farm configuration for the proposed site, feasibility study, preparation of detailed project report, assistance in application of generating licence.</p>		<p>Project Status – Completed <i>Performance Certificate issued by Client</i></p>



Biomass

The company provides following services.

- ✿ Biomass Resource Assessment
- ✿ Preparation of pre-feasibility/feasibility reports, and detailed project reports
- ✿ Bid Process Management
- ✿ Construction Supervision
- ✿ Assist in regulatory matters and financial advisory for setting up projects.

Major Domestic & International Assignments

Project Name: - Preparation of Detail Project Report for RE Work under Decentralized Distribution Generation (DDG) - 100 Villages

Client: Bihar State Hydroelectric Power Corporation

Start Date: Oct 2011 **Completion Date:** June 2012

Project Location: Bihar, India

Project Value: NA

Description of Services provided: Preparation of DPR for electrification of villages using renewable energy sources like Biomass and Solar for 100 villages in Supoul, Saharsa and Khagaria districts of Bihar, Estimation of cost of providing power for a period of 5 years from commissioning ,Estimation of electricity load and the energy required to be generated for five years, Estimation of the total cost of the project

No Picture

Project Status – Completed



Energy Efficiency, Energy Accounting, Energy Auditing and Management

- ✦ Capacity Building, strengthening of State Designated Agencies
- ✦ Energy Conservation Building Code (ECBC) Compliance Projects
- ✦ Green Building Projects, LEED Compliance
- ✦ Agriculture Demand Side Management (AgDSM)
- ✦ Municipality Demand Side Management (MuDSM)
- ✦ Perform, Achieve and Trade (PAT) Advisory
- ✦ Energy Efficiency and Energy Auditing
- ✦ Studies under various Government Schemes
- ✦ Energy Audit / DPRs & PFRs, Bid Process Management, Project Management Consultancy



Major Domestic & International Assignments

<p>Project Name: - Investment Grade Energy Audit of collectorate building (Dist. Morena) for energy efficiency measures</p>		<p>No Picture</p>
<p>Client: MP Urja Vikas Nigam Ltd</p>		
<p>Start Date: Mar 2011</p>	<p>Completion Date: Apr 2011</p>	
<p>Project Location: Morena, Madhya Pradesh, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Investment grade energy audit in building includes all energy consuming equipments. The audit includes evaluation of equipment/system efficiency, identification of energy streams, estimation of associated energy losses etc, Identification of energy and cost savings opportunities and analysis of the possible impact of measures, Preparation of energy audit report etc.</p>		<p>Project Status – Completed</p>
<p>Project Name: - Evaluation of the existing electrical infrastructure, Design and Engineering Support, Energy Audit of J&K Head Quarter Building in Srinagar</p>		<p>No Picture</p>
<p>Client: J&K Bank</p>		
<p>Start Date: Jul 2010</p>	<p>Completion Date: Sep 2010</p>	
<p>Project Location: Srinagar, Jammu & Kashmir, India</p>		
<p>Project Value: NA</p>		
<p>Description of Services provided: Evaluation of the existing electrical infrastructure, Design and Engineering Support for augmentation of Electrical System at Corporate Head Quarter, Designing a typical prototype layout for a business unit of the bank (within the already frozen interior design-model branch concept) and subsequent layouts on repetitive design concept basis, Design & Implementation of sub-stations at various Business Units of the Bank</p>		<p>Project Status – Completed</p>



Technical Training Programs

The company provides training to Power Engineers of various Utilities and institutes. The course generally covers following topics

- ⊕ Power Systems
- ⊕ Transmission lines & substations
- ⊕ Distribution systems
- ⊕ Computer-aided Techniques for simulation studies.
- ⊕ Structure Design
- ⊕ Operation & maintenance of power system.
- ⊕ Overhead Line Maintenance techniques
- ⊕ Safety

Major Domestic & International Assignments

- ⊕ INDIA: Various Hydro Stations across country - Holding presentations/seminars on Engineering, latest trends in electrical equipment, design & engineering, supervision, erection, testing and commissioning of sub-stations & distribution projects.



EMPANELMENT

The N_Arc Consulting is currently empanelled with:

Ministry of Power, India

Decentralized Distribution Generation (DDG) Projects- Generation projects in the category of Biomass Gasification, Solar Photo Voltaic, Small Hydro, Biogas (from animal waste), Wind Hybrid Systems, and Other Hybrid Options.

Power Finance Corporation (Government of India Undertaking)

Consultancy Assignments in Areas

- ✚ Bid Process Management
- ✚ New and Renewable Energy
- ✚ Power Transmission Studies
- ✚ Power Transmission – Detailed Project Report Preparation and Design Works
- ✚ Third Party Independent Evaluation Agency – Energy Accounting (TPIEA-EA)

Rural Electrification Corporation (Government of India Undertaking)

- ✚ System improvement study, Project consulting, Detailed Project Report for system strengthening the existing distribution network in India.
- ✚ Preparation of DPR's for Decentralized Distributed generation (DDG) projects

Uttarakhand Renewable Energy Development Agency (Uttarakhand State Government Undertaking)

Development of Solar Power Projects

Uttar Pradesh New and Renewable Energy Development Agency (Uttar Pradesh State Government Undertaking)

Development of Renewable Energy Projects

Madhya Pradesh Urja Vikas Nigam Limited (Madhya Pradesh State Government Undertaking)

Development of Energy Efficiency Projects

Haryana State Industrial & Infrastructure Development Corporation Ltd. (Haryana State Govt. Undertaking)

Transmission & Distribution Projects



CLIENTELE

The list some of our esteemed clients:

International Clients:



Domestic Clients:

Government / Public sector



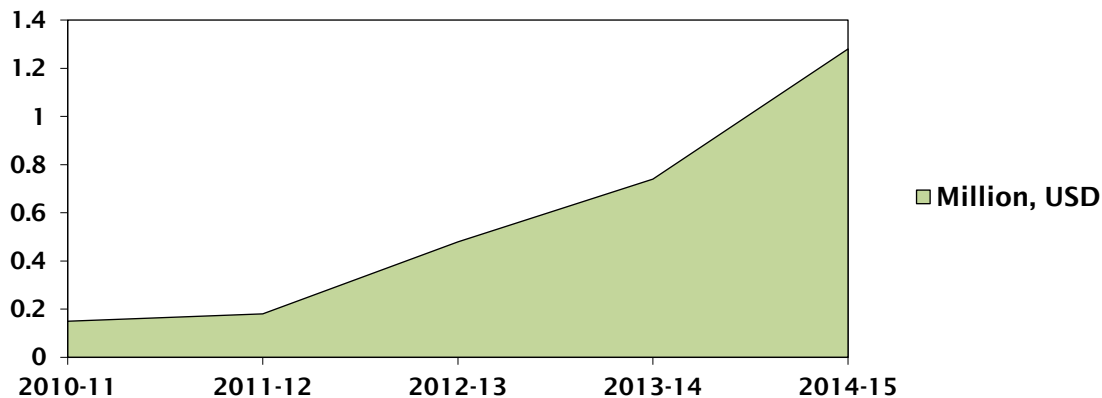
Private Sector





FINANCIAL STATUS

The annual turnover for the last five years



QUALITY ASSURANCE AND ACCREDITATION

The assurance of quality and fundamental to all works undertaken by N_Arc Consulting and all company personnel have to practice this in their daily activities. In the context of the firms consultancy services, Quality Assurance is aimed to control the routine functions within the working environment, while not stifling creativity through overbearing bureaucracy.

N_Arc Consulting conforms to all requirements of ISO 9001:2015 as certified by DUV Certification Pvt. Ltd., member of International Accreditation Forum (IAF).



Our Associates

Our associates, with whom, we have a longstanding association, also specialize in infrastructure development in the following engineering segments. They have been associated with us on a variety of infrastructure projects notably infrastructure projects. Their major areas of operation are:

- ⊕ Water Resources Engineering & Management – Water Supply, Drainage, Sewerage and Water Harvesting.
- ⊕ Architectural Services
- ⊕ Environmental Engineering
- ⊕ Sewerage Treatment Plants
- ⊕ Structural Engineering
- ⊕ Quantity Surveying
- ⊕ Survey & Geo Tech Investigations
- ⊕ Traffic / Road Design



CONTACT DETAILS

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