



HIQ POWER ASSOCIATES PVT. LTD.





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ABOUT HIQ:

- HIQ provides high-quality design & engineering and project & construction management solutions for steel, power, cement and other industries. It also provides Operation & Maintenance (O & M) Services for all plants. HIQ are also providing consultancy and engineering services for Solar power projects, oil, Gas & petro chemical industries, process plants & infrastructure projects.
- HIQ brings under one roof the accumulated expertise of a world-class team of professionals covering the entire multi-disciplinary spectrum of plant design, detailed engineering, procurement, project and construction management, quality control and operation and maintenance functions.
- HIQ leverages the strengths of design excellence, optimal engineering and innovative project management and feedback from their O & M activities to provide international class Engineering, Project & Construction Management (EPCM) solutions to customers.
- HIQ has more than 20 years of experience in providing Engineering and Project Management services for various power & metallurgical industries and has successfully completed more than 200 project assignments.



BACKGROUND /HISTORY::

- Incorporated as a Private limited company in December 2000 mainly for providing engineering services for power, steel, cement, Oil & Gas and petro-chemical projects and O&M services for the plants.
- Initially started operations with 2 engineers with lots of experience and enthusiasm in a small office with only one PC to support.
- Today HIQ has a large design office spread over 2000 sq ft in a central location in Chennai with adequate engineers, designers and draftsmen. Depending on the number of Engineering and O&M assignments total manpower of HIQ will get revised.
- In the Sept-2014, 100% of the shares were taken over by independent investors from Dubai, UAE.
- HIQ is certified under ISO 9001-2008 by TUV – SUD for providing Engineering Consultancy and Operation and Maintenance services.
- MOU for technical collaboration signed with AF Consult, Finland and SEPDI, China.

MISSION STATEMENT:

- Position the group as Market Leaders in India in Consultancy & Engineering services.
- Provide EPCM Services of the type and quality that will enable unique achievements in project implementation.
- Ensure 100 percent customer satisfaction.
- Be an Exemplary/Model employer with the company operations run as a technical co-operative of world-class experts and professionals.
- Enter into strategic alliances nationally and internationally and achieve a multi-national presence.
- Provide Cost Effective Strategies with Innovative and Optimized Solutions
- Effective and total project management targeted at project completion on schedule with emphasis on quality and well within the budgeted cost .

STRENGTHS ::



HIQ POWER ASSOCIATES PVT. LTD.



- Extensive experience in the Design, Engineering and Operation & Maintenance of Various types and sizes of Power Plants, Cement Plants, Steel Plants, Oil & Gas and Petrochemical Plants and facilities.
- Engineers with experience in Thermal Power Plants, Combined Cycle Plants, Nuclear Power Plants, Waste Heat recovery Power Plants and Power Plants based on Non-conventional energy sources such as Solar & Bio-mass.
- Our Engineers are having experience of working with reputed organizations like BHEL, L & T, NLC, NTPC, Dastur & Co, AE&E, I.D.E.A, Dodsai & Saipem and EIL.
- A well equipped fully computerized design office in a central location in Chennai.
- HIQ is a fully independent consultancy organisation free from any ties with equipment suppliers and contractors and hence the services provided are highly objective, unbiased and carried out with the best interest of the customer and project in mind.
- Use various engineering software such as MS Projects-2007 – Project planning and management. Staad Pro V8i – Design of RCC and Steel structure. ETAP – Analysis and design of electrical power systems. Ceaser-II – piping system analysis. Auto cad 2013 – all drafting works. 3D Modeling by using Tekla software, PVSyst for Solar Projects, MS Office (word, excel, power point) – General office work.



SERVICES ::



HIQ services include:

- Preparation of project reports
- Basic & detailed design & engineering
- Project management and procurement services
- Inspection & expediting services
- Lender's engineering & PMC services
- Construction supervision & assistance in commissioning
- Specialized Engineering manpower placement
- Operation & maintenance services

SECTORS COVERED :

**POWER, STEEL,
CEMENT , OIL & GAS**

SERVICES OFFERED



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PROJECT CONCEPTUAL SERVICES

Feasibility studies.
Site selection.
Detailed Project Reports.
Technology Selection.
Obtain required statutory & regulatory approvals

DESIGN & DETAILED ENGINEERING

Basic Engineering Design (BED)
Plant Layouts
Multi-disciplinary Detailed Engineering
Lender Engineering

PROCUREMENT

Specifications
Tender Evaluation & Recommendation
Ordering Assistance
Vendor Co-ordination & Documents/ Drawings
Review & Approvals.

PROJECT MANAGEMENT CONSULTANCY

Project Schedule
Expediting and follow up with suppliers
contractors.
Periodic Monitoring and Reporting.

INSPECTION AND SITE SUPERVISION

Equipment Inspection in Manufacturing works.
Site supervision of Construction & Erection
Supervision of Start up and Commissioning.

TIME & COST MANAGEMENT

Project Monitoring
Budgeting
Project Cost Control

PLANT OPERATION & MAINTENANCE (O&M) SERVICE

Plant Commissioning
Operational Assistance
Maintenance Management
O&M services

STRATEGIC CONSULTANCY

Turnaround Strategies
Evaluation of Retrofits
Modernisation Strategies
Computerisation & Automation
Optimisation Strategies



PROJECT MANAGEMENT & PROCUREMENT



Project Management:-

Preparation of overall project schedule as well as schedules for individual units using computerized PERT/CPM technique.

Periodic monitoring and updating of the schedule.

Monthly progress reports covering engineering and construction activities and highlighting the critical areas, deviations from planned targets and corrective measures to be taken by the concerned agencies.

Procurement Services:-

Preparation of technical specifications and tender documents for equipment and services.

Review of the technical offers received from bidders, discussions with the bidders and preparation of technical recommendations on the offers received.

Assistance in order placement by way of review of technical contract documents.

Post order placement services such as review of vendor drawings and other documents to ensure conformity of the equipment and services supplied to the contract.



O & M SERVICES ::



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HIQ also offers O&M services during the operational phase of the Plant covering:

- Operation Management, Scheduling and Delegation of Human Resources for shift operation
- Technical Services, Performance Monitoring and Technical Audits
- Identifying requirement of spares and consumables for advance procurement
- Review of all process parameters during operation, preparation of formats for log sheets and optimization of fuel and utility consumption figures
- Class room training and on the job training of Clients O&M personnel
- Preparation of due diligence reports for the operating any plants
- Recommending improvements in the existing operating power plants on specific plant related problems



ENGINEERED PROJECTS (COMPLETED & CURRENT) ::



HIQ POWER ASSOCIATES PVT. LTD.



COMPLETED PROJECTS:

- NTPC Limited, Faridabad, India
- Dalmiya Cement, India
- Oil India Limited, Jaisalmer, India
- Tecpro Systems Limited, India
- Gupta Energy P Ltd, Ghugus , India
- Hothur Ispat Ltd, Bellary, India
- KMMI Steels Ltd, Hospet , India
- SRHHL, Kurnool, India
- KPPL, Jamshedpur, India
- Sir Evans Hospital, Chennai, India
- Ultratech, Rajsree cement, Karnataka , India
- Ultratech, Rawan cement, Chattisgarh, India
- Ambuja Cement, Rajasthan, India
- Kerala Minerals & Metals Limited, Cochin, India
- HPCL, Vizag
- BHEL, Ranipet
- FCI Aravali Gypsum & Minerals Ltd
- Petrofac International, Sharjah.
- B&R India Ltd
- Eletrotherm India Limited, Ahmedabad
- Myanmar Chemical & Machinery Co.Ltd, Myanmar

CURRENT PROJECTS:

- BHEL, Bangalore
- MRPL, Mangalore.
- Chennai Petroleum Corporation Ltd
- IOCL, Mumbai
- TNPL, Karur, TN
- HPCL, Budge Budge, West Bengal
- HPCL, Chennai
- Minera Steel, Bellary



O & M PROJECTS (COMPLETED, CURRENT & PROPOSED)::

A. Completed Assignments

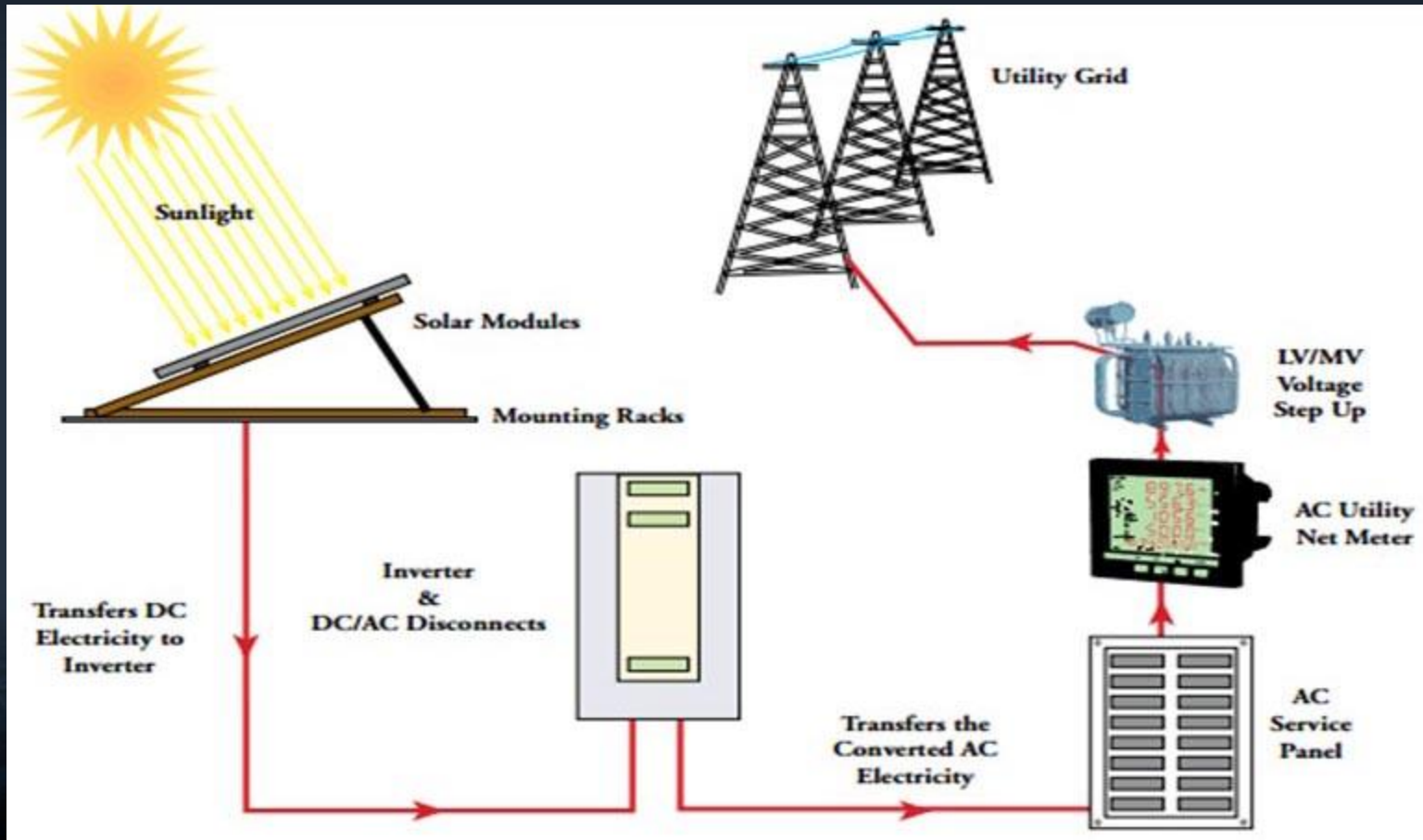
- Sree Rayalseema Green Energy Ltd, AP, India
- KMS Power, Satenappalle, AP, India
- SLS Power Limited, AP, India.
- Sero Power , Hyderabad, India.
- MuraliMohana, AP, India– Co-gen Plant
- Koganti Power, Karnataka, India
- Navadurga Fuel, Raigadh , India
- Kalyani Steels, Bellary, India
- Rayalseema Paper, AP, India
- KMMI Steel, Bellary, India
- Bharat Heavy Electricals Limited, Bangalore
- BARC, Kalpakkam, Tamilnadu



SOLAR DIVISION

- In the renewable energy sector, HIQ is an approved Channel Partner of the Ministry of New & Renewable Energy (MNRE), Government of India and an Empanelled Consultant of Maharashtra Energy Development Agency (MEDA), Government of Maharashtra for Solar Power Projects.

Solar Photovoltaic Power plant - Typical



Engineering, Procurement & Construction of Solar Power Plants

On-Grid and Off-Grid Solar PV Roof top & Ground mounted systems (Standard and Customized mode)

- MNRE approved Channel Partner for On-Grid & Off-Grid
- MEDA (Maharashtra Energy Development Agency) approved Consultant
- More than 16 MW of experience in Consultancy
- 1KW to Mega Watts Sizing
- Setting up Solar system in available Unshaded Roof-Top Space
- Setting up Solar system in Ground Mounted based on need (Normal & Elevated structure for dual benefit of cropping as well as Power)
- MNRE Approved Solar PV Panels / IEC Certified Invertors / Standard & Quality Balance of Systems (BoS) with ease of maintenance

EPC of Solar Power Plants (Contd...)

- Trouble free working, Long Life Performance (25 Years)
- Can be provided with Net Metering facility by which Excess power can be exported to Grid
- Customer friendly Battery Back-up for Off Grid Systems

Engineering Consultancy on Solar Package :

- Project Management Consultancy
- Techno Economic Feasibility Study ;
- Design, Engineering & Construction Services
- Grid Connectivity Assessment
- Solar Field Assessment – Shading & Obstacles Analysis
- Resolution Management
- Detailed Project Report ;
- Bid Process (both CAPEX & OPEX)
- Evaluation Management
- Sourcing & Procurement Assistance
- Project Structuring & Monitoring from concept to commissioning
- Operations & Management monitoring
- Nodal Agencies / Transmission Organizations Liasoning

PMC on Solar Power Plants

Stage 1 - Techno Economic Feasibility Report

- Preparing site study, collection of data & site visit report
- Submission of Feasibility Report
- Submission of D P R
- Grid Connectivity approval by Discom
- Submission of Bank Guarantee
- NOC from Local bodies
- Obtaining Discom power evacuation estimate & process

Stage 2 - Obtaining Required Approvals

- Liasoning & obtaining demand note for payment of fees / deposits
- Submission of application / completion of formalities of approval – Govt Agencies
- Obtaining final approval including Long Term Open Access

PMC on Solar Power Plant (Contd...)

Stage 3 - Preparation of EPC Bid –both CapEx & OpEx

- Preparation & submission of Tender for EPC contract
- Finalization of bid document with Client
- Technical evaluation of bidder document
- Preparation of specifications & work instructions

Stage 4 - Project Monitoring and Handing

- Evaluation of detailed design of contractor
- Handing over of documentation
- Preparation of O&M contract
- Final handover

Partial client list:





HIQ POWER ASSOCIATES PVT. LTD.

Thank You!



Power | Steel | Cement | Oil & Gas

For further details, please contact us at:

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