

## Introduction to Drashta Power Consultants Private Limited (DPCPL)

**Drashta Power Consultants Private Limited (DPCPL)** is promoted by group of technocrats namely, **Mr. B D Kakadia, Mr. Ajay Shah and Mr. Abhijit Shukla** having sizably long experience in Engineering, Project Management, Operation & Maintenance of various capacity Boilers, Turbines & Power Plants.

**Mr. Ajay Shah, an IIM Ahmedabad (IIMA) Graduate**, having more than 28 years of experience in Coal and Gas based thermal power stations, and **Mr. Abhijit Shukla**, also having more than 28 years of experience in energy sector design & engineering including Gas based power plant, are heading the company as a Directors. Both the directors are actually college friends and L D College Of Engineering, Ahmedabad, Gujarat, alumnus also.

DPCPL has successfully executed coal based captive power projects up to **120 MW** capacities, **Solar** grid interactive ground mounted projects up to 15 MW and **Solar Rooftop** Projects up to 1 MW Capacity. DPCPL has also provided consultancy to top consulting companies like **tkIS (ThyssenKrupp Industrial Solutions, Formerly known as UDHE), Linde Engineering, IL & FS (Infrastructure Leasing & Financial Services)**, etc. for various Power projects.

DPCPL is also a approved vendor and Channel Partner of MNRE (Ministry of New & Renewable Energy, Government of India) for Roof Top Solar PV and Solar Thermal

**Project and awarded rating of 1B by SMERA, a leading rating agency, which indicates Highest Performance Capability and High Financial Capability.**

## **Our core area of expertise**

- Techno Commercial evaluation of Captive Power Projects (CPP) / Co-generation plants
- Feasibility study with Return On Investment (ROI) for Captive Power Projects (CPP) / Co-generation plants
- Preparation of specification of plant
- Selection, Procurement, Erection, & Commissioning of
  - Solar Roof Top and GRID Connected project
  - Boiler
  - Steam Turbine / Gas Turbine Generator sets, Gas / Diesel Generator Sets with auxiliaries
  - Power and Control Equipments
- Condition monitoring and testing of plant equipments
- Energy and Water conversations
- Energy Audit
- Automation, SCADA etc.
- Capacity up-gradation of the power / co-generation plants
- Operation & Maintenance of the power / co-generation plants
- Liasioning with various Government Agencies related to captive the power / co-generation plants
- Liasioning with various financial institutions for project finance

## Engineering Capabilities

- Understanding Customer requirement
- Study Electrical and Thermal load and analysis
- Preparation of feasibility report
- Project Planning and scheduling
- Detailed engineering
- Procurement
- Project management
- Inspection at Manufacturer's works
- Supervision of construction, erection and commissioning
- Testing and commissioning
- DCS / PLC Software development
- Complete execution of Electrical Systems
- Boiler Automation systems
- Testing, Commissioning & Trial Operation
- Performance Guarantee tests
- Post Commissioning Services

## Major Activities for a Project

- Preparation of technical specifications
- Request for proposal from approved vendors
- Technical evaluation of proposals
- Resolve Technical deviations, if any.
- Preparation of Techno – Commercial comparative statement for customer management to make an informed decision
- Negotiation and finalization of order
- Vendor rating based on performance

## Project Co-ordination Activities

- Review design and layout and suggest changes
- Review and suggestion for all technical drawings, which include P & I Diagrams, Isometric drawings, equipment layout etc.
- Preparation of Project Schedule / PERT Chart / BAR Chart for Implementation
- Co-ordination with all disciplines ensuring smooth project implementation
- Continuous MONITORING & Review of the project
- Effective co-ordination with Suppliers, Contractors and Customer.

## **Inspection & Supervision of Project**

- Provide various inspection services at supplier end or at site
- Periodic supervision at site to ensure quality work at site during erection and commissioning
- Continuous Project Management Services at Site

## **Performance Trial & Handing Over**

- DPCPL team supervises & evaluates performance trail, before handing over.
- Handing over the project after successful completion of the project in all respect.
- Compliance and guidance for statutory and regulatory requirements of the project.

## **Operation & Maintenance Services for Power Plant**

- Operation & Maintenance (O & M) of Solar and Thermal projects
- Selection of man power for customer to make a comprehensive team to operate power plant

## **Major Jobs Handled**

Following is a partial list of customers & projects which have been / are being served by DPCPL.

## Solid Fuel based Captive Power Plant

No.	Name of the Customer	Project Size
1.	Kutch Chemicals Industries Limited	120 MW (2 X 60 MW) (With ACC)
2.	Meghmani Fine Chem Limited	72 MW (2 X 36 MW)
3.	Meghmani Fine Chem Limited	40 MW (2 X 20 MW)
4.	Deepak Phenolics Limited	25 MW (with 2 X 100 TPH CFBCs)
5.	Meghmani Fine Chem Limited	20 MW
6.	Amitara Green Hitech Limited (Jindal Group)	18.5 MW
7.	Gopani Iron & Power (India) Private Limited	15 MW
8.	Nandan Exim Limited (Chiripal Group)	12 MW
9.	Astron Paper	10 MW
10.	Nilakanth Concast Limited	10 MW
11.	Vraj Textiles Limited (Chiripal Group)	10 MW
12.	Orient Abrasive Limited	10 MW (with ACC)
13.	Jindal Worldwide Limited	8.5 MW
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15.	Aarti Industries Limited	8 MW at Jhagadia, Gujarat 3 MW at Kutch, Gujarat 2 MW at Vapi, Gujarat
16.	Kutch Chemicals Limited	6.5 MW
17.	Shanti Industries Limited (Chiripal Group)	6 MW
18.	Rainbow Papers Limited	5 MW

No.	Name of the Customer	Project Size
19.	Satyesh Brine Chem Limited	4.9 MW
20.	Shah Paper Mills Limited	4.8 MW
21.	Deepak Fertilizers & Petrochemicals Limited	4 MW
22.	Ruchi Soya Industries Limited	4 MW at Gujarat 3 MW at Haldia, West Bengal 3.5 MW at Mangaliya, MP 2.5 MW at Bihar
23.	Meghmani Organics Limited	3 MW
24.	Nova Petrochemicals Limited	3 MW
25.	Godavari Pulp & Papers Industries Limited	2 MW
26.	Shree Ajit Pulp & papers Limited	2 MW
27.	Aryan Papers Limited	1.6 MW
28.	Parle Products Private Limited	1.2 MW

## Gas / FO Based Power Plant with Cogeneration

No.	Name of the Customer	Project Size
1.	Shah Alloys Limited	32 MW (8 X 4 MW)
2.	Emex Energy, Dubai	24 MW (4 x 8 MW)
3.	Kanko Overseas Limited	24 MW (3 X 8 MW)
4.	Raymonds Limited	8 MW

No.	Name of the Customer	Project Size
5.	Orient Abrasive Limited	6 MW
6.	Universal Chemicals Limited	4.8 MW (3 X 1.6 MW)
7.	Cosmo Films Limited	4.5 MW
8.	Videocon Limited	4 MW (2 X 2 MW)
9.	Zydus Cadila	4 MW (1 X 3 & 1 X 1 MW)
10.	Durga Syntex Private Limited	3 MW
11.	Pragati Glass Private Limited	2 MW
12.	Meghmani Organics Limited	2 MW
13.	Dudhsagar Dairy	2.2 MW (2 X 1.1 MW)
14.	Swiss Glass Coat Limited	1.2 MW
15.	Amul Dairy	1.2 MW
16.	Meghmani Unichem Limited	1 MW

## Solar Project (EPC & Consultancy Services) (Ground & Roof TOP)

No.	Name of the Customer	Project Size
1.	Reliance Industries Limited	10 MW Roof Top
2.	KPI Global Industries Limited	15 MW
3.	Pashuati Cotton Limited	10 MW
4.	D Raja Industries Limited	10 MW
5.	Integrity Solar (India) Private Limited	11 MW



No.	Name of the Customer	Project Size
6.	Samurai Holdings Private Limited	4 MW
7.	Som Shiva Impex Limited	2 MW
8.	Pashupati Cotspin Limited	1 MW (Roof Top)
9.	Sagar Samrat Seafood Limited	375 KW (Roof Top)
10.	Devarsons Industries Private Limited	60 MW (Roof Top)
11.	Multiple Clients	Up to 50 KW (Roof Top)

## Feasibility Studies & Detailed Project Reports (DPR)

No.	Name of the Customer	Project Size
1.	Shree Siddhi Energy Limited	2 X 660 MW
2.	Surya Spectra LLP	250 MW
3.	Onshore Power Private Limited	2 X 50 MW
4.	Ipca Laboratories	15 MW
5.	Rajshree Polyfilms Limited	20 MW
6.	Hindustan Coca Cola Private Limited	5 MW
7.	Linde Engineering	18 MW (For BPCL Refinery Bid)
8.	Linde Engineering	24 MW (For IOCL Refinery Bid)
9.	Rachna Group	1.5 MPTA Coke Oven Plant and 100 MW CPP based on Coke Oven Flue gas

No.	Name of the Customer	Project Size
10.	Rachna Group	4 MPTA Coal Washery and 100 MW CPP based on Washery Reject
11.	Saurashtra Fuels Private Limited	90 MW
12.	H & R Johnson India Limited	10 MW
13.	AIA Engineering Limited	50 MW
14.	Kishan Cement Private Limited	5 MW
15.	Excel Crop Care Limited	3 MW

**List of other Clients whom we have served for various assignments:**

- Kokila Texpro Private Limited
- MCL Global Steel Private Limited
- E Yantra Solar Project Private Limited
- Moco Ink Limited
- Alembic Pharmaceuticals Limited
- Deepak Nitrite Limited
- Ackruti City Limited, Thane
- Sajjan India Limited
- Neesa infrastructure Limited
- Sanstar Bio Polymers Limited
- Transpek Limited