

COMPANY PROFILE

MONTH:

YEAR: 2025.

SHAKTIPUNJ

ENGINEERS



*** CONSULTING ENGINEERS.**

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We are Reputed Engineers of India & are providing our Services across the country.

We provide Design, Engineering & Project Management Services for Power projects across India and also undertake Design, Engineering, Supply, Erection, Testing & Commissioning services for power projects. We are specialist in installing WHRB & AFBC Boiler based Power Plants. We have already commissioned 34 power plants across India ranging from 1.0MW to 67.5MW and at present providing engineering consultancy services to many ongoing power plants. We are specialist in Design, Engineering & Installation of Power Plant based on Waste Heat Recovery Boiler and AFBC Boiler. We are technically highly competent and very responsive consultant. We always give highest priority to all our clients and always work with Zero mistake targets and try to MINIMISE project Cost which is an essential factor for survival. Further our success Mantra is TEAM WORK. To achieve best we always discuss & take suggestion from client team. We are most Economical Engineering Consultancy Company which have proven track record of commissioning plants within shortest time & budget and thus have bagged REPEAT W.O.'s from our clients for their Extension / New Projects. We assure that we will work as a Team to install an Excellent Plant within shortest possible time.



ShaktiPunj Engineers provides its client a host of services related to power projects starting from preparation of Project Report, providing Technical Consultancy, Project Management Services and Operation Trouble Shooting. We provide services in:

A. BASIC CONSULTANCY SERVICES:

- Feasibility Study
- Preparation of Detailed Project Report
- Project Planning, Scheduling, Monitoring & Controlling
- Basic (Design) Engineering Services
- Preparation of Tender Documents
- Specification & Drawings
- Evaluation of Vendor Bids
- Assistance in Contract Negotiations & Contract Document Preparation
- Vendor Drawings Review & Approval (Post Contract)
- Design Development

B. OTHER SERVICES:

Project Engineering Management:

1. Developing Bar Chart indicating work startup & completion period,
2. Determining the actual progress and forecasting of latest completion dates,
3. Maintaining and updating the database for drawings and documents,
4. Monthly Progress reports including initial preparation and subsequent updating of project schedule

Detailed Engineering consisting of:

Mechanical Engineering

1. Preparation of Heat Balance Diagram based on TG / Boiler & Fuel Data,
2. Development & Preparation of Plant Equipment Layout & Landscape,
3. Preparation of Water Balance Diagram and P&ID of various Equipments,
4. Equipment Sizing in respect with BTG package.

Piping Engineering

1. Preparation of Piping Layout based on Plot Plan,
2. Preparation of Isometric Drawings showing Support & Hardware,
3. Flexibility Analysis of Piping & Generation of Stress Analysis Report,
4. Preparation of Bill of Material for Pipes / Valves / Supports / PRDS / PCV,
5. Insulation / Cladding & Painting Schedule.

Electrical Engineering

1. Electrical System Design, Load Flow & Short Circuit Analysis,
2. Equipment Layout for Island & Switchyard,
3. Grounding Design & Details,
4. Cable Sizing, Cable Schedule, Interconnection Engineering,
5. Electrical Equipment Selection & Sizing for procurement.

Instrumentation & Control Engineering

1. Preparation of Logic Diagram & Control Loop Diagram for Power Island System & Supporting utilities for Analog & Digital Controls,
2. Preparation of DCS I/O List and Detailed Instrument list,
3. Selection, Preparation of Specification and Bid Evaluation of DCS System for Power Plant Equipment Control
4. Interface Co-ordination between BTG & other Plant Equipment with DCS.

Civil & Structural Engineering

1. Preparation of Civil Foundation drawings w.r.t. Soil Bearing Capacity for TG Building, Boiler House, Water Treatment Plant, Pump Foundations, Switchyard Panel Room etc.
2. Preparation of BOQ for Civil Materials i.e. steel / cement / aggregates,
3. Preparation of Steel Structural Details for Cable Tray, Cable Support, TG Building Truss, Coal Handling Plant Shed & others.

Post Contract Services and

1. Technical review of Sub-Contractor's package,
2. Field Assistance During Mechanical Erection and Commissioning,
3. As-Built Drawings and Documents,
4. Vendor Shop Inspection, Testing and Quality Assurance,
5. Attending Factory Acceptance Test,
6. Quality Assurance Services During Erection and
7. Project Schedule Monitoring.

Project Site Inspection & Engineering Management.

1. Deputation of Senior & Middle Level Specialist in Civil / Mechanical / E&I to inspect site at regular intervals for assessment of Quality & Quantity of work done,
2. Organizing & Attending Site Co-Ordination meeting with Vendors & Owners Engineers to solve Technical problems & to expedite the field work,
3. Assistance in Commissioning of the Project,
4. Assistance in giving O&M Tips to Station Team of the Plant and
5. Providing Assistance as and when required post commissioning.



S.NO	PROJECT	SIZE	LOCATION	TYPE	COMMISSION
		MW			YEAR
01.	REAL ISPAT LTD.	12	Raipur (C.G.)	WHRB + AFBC	2006
02.	SHRI. BAJRANG POWER	8+10	Raipur (C.G.)	WHRB	2006
03.	AGIO PAPER INDUSTRIES	04	Bilaspur (C.G.)	Bio-Mass	2007
04.	ANKIT METAL & POWER	12	Bankura (W.B)	WHRB + AFBC	2007
05.	SKS ISPAT LTD.	30	Raipur (C.G.)	AFBC	2007
06.	SKS ISPAT LTD.	40	Raipur (C.G.)	AFBC	2008
07.	SHRI. BAJRANG POWER	16	Raipur (C.G.)	AFBC	2008
08.	GOPAL SPONGE	05	Raipur (C.G.)	WHRB	2009
09.	SHRI. GANESH METALLIKS	25	Rourkela	WHRB + AFBC	2010
10.	SHRI. BAJRANG METALLIKS	16	Raipur (C.G.)	AFBC	2010
11.	RAMESHWARAM STEEL	10	Raigarh (C.G.)	WHRB + AFBC	2010
12.	S.K. SARAWAGI & CO	05	Raipur (C.G.)	WHRB	2011
13.	MSP STEEL & POWER	34	Raigarh (C.G.)	CFBC	2012
14.	ANKIT METAL & POWER	08	Bankura (W.B)	WHRB	2012
15.	RASHMI CEMENT LTD	18	Jitusol (W.B)	WHRB + AFBC	2012
16.	RASHMI METALLIKS LTD	18	Kharagpur	WHRB + AFBC	2012
17.	MAA KALI ALLOYS UDYOG	10	Raigarh (C.G.)	WHRB + AFBC	2013
18.	SHAH SPONGE & POWER	15	Tata (Jhar)	WHRB + AFBC	2013
19.	BALDEV ALLOYS (P) LTD.	08	Raipur (C.G.)	WHRB + AFBC	2013
20.	SINE WAVE BIO-MASS	10	Sangli (Mah)	Bio-Mass	2013
21.	RASHMI METALLIKS LTD.	12	Kharagpur	WHRB	2013
22.	ANKIT METAL & POWER	25	Bankura (W.B.)	AFBC	2013
23.	CHHATTISGARH DISTELLIARY	3.5	Kumhari (CG)	AFBC	2016
24.	RASHMI ISPAT (P) LTD	12	JHARGRAM	WHRB+AFBC	2016
25.	GIMATEX INDUSTRIES	890kW	DHOLKA	AFBC	2017
26.	GIMATEX INDUSTRIES	500kW	Hinganghat	AFBC	2017
27.	SAGAR NUTRIMENTS	02	BHOPAL	AFBC	2020
28.	AMPLUS KN SOLAR: E.P.C.	01	HYDERBAD	SOLAR	2020
29.	SHREE RUPANADHAM STEEL	10	RAIGARH	WHRB + AFBC	2020
30.	BSSUK: CG STATE GOVT.	05	KAWARDHA	AFBC	2023
31.	RAMDEV AGRO PRODUCTS	05	PIPARIYA (M.P)	AFBC	2023
32.	SHREE RAM STEEL & POWER	12	RAMGARG	WHRB + AFBC	2024
33.	VRAJ IRON & POWER LTD.	15	BILASPUR	WHRBs	2025
34.	SREE METALIKS LTD.	12	ANGUL	WHRB + AFBC	2025

S.NO	PROJECT NAME	SIZE	JOB DESCRIPTION
		MW	
01.	M.S.P. Steel & Power, Raigarh (C.G.)	12	High Pressure Piping Engineering.
02.	Maruti Clean Coal, Korba (C.G.)	300	Raw Water Piping Engineering.
03.	CSPGCL, Korba under Bend Joint	4 x 210	High Pressure Piping Engineering.
04.	Megga Power Projects, Jalore (Raj)	06	Detailed Project Report Preparation
05.	Kalinga Metaliks, Keonjhar (Odisha)	40	Detailed Project Report Preparation
06.	Jupiter Cement Industries, Sarikela	20	Detailed Project Report Preparation
07.	Jupiter Cement Industries, Hazaribagh	05	Detailed Project Report Preparation
08.	SKJ Ispat Ltd, Keonjhar (Odisha)	30	Detailed Project Report Preparation
09.	Shyam SEL & Shyam Metaliks	12	High Pressure Piping Jobs
10.	Best Food Industries, Karnal (Punjab)	06	Civil Design & Drawing
11.	Prakash Industries Ltd, Champa (CG)	100	Electrical Network Audit & modification
12.	Brahaspati Iron & Steel, Rasmada (CG).	8	DPR for Bank Loan (WHRB+AFBC).
13.	Betul Non Conventional Energy (M.P.)	10	DPR for Bank Loan (Bio-Mass).
14.	Rohit Ferro Tech Ltd, Bishnupur (W.B.)	45	DPR for MoEF Clearance.
15.	Rohit Ferro Tech Ltd, Haldia (W.B.)	45	DPR for MoEF Clearance.
16.	Impex Ferro Tech Ltd, Bobbli (A.P.)	50	DPR for MoEF Clearance.
17.	Green Bilt Industries Ltd, Raipur (CG)	Engineering for Autoclave Aerated Concrete Plant.	
18.	Petro Carbon & Chemical, Haldia (WB)	2x08	Report for Pollution Clearance.
19.	Bhagwati Steel & Power, Raipur (CG)	12	Vacuum problem trouble shooting.
20.	Anshul Steel & Power, Kolhapur (Mah)	06	DPR for Bank Clearance.
21.	Suraj Products, Sundargrah (Odisha)	01	Feasibility of PP on Blast Furnace gases.
22.	Bihar Foundry & Castings, Ramgarh.	05	Engineering of CPP based on 03 WHRBs.
23.	Shri Shyam Ispat, Raiagr (C.G.)	Erection Supervision services for 11TPH WHRB boiler.	
24.	CHHATTISGARH STATE INDUSTRIAL DEVELOPMENT CORPORATION (CSIDC).	Study & Submission of Infrastructure Development Report for Industrial Cluster under MIUS Scheme. Contract from M/s Mitcon Engineers, Pune.	
25.	Shah Sponge & Power, Jamshedpur.	DPR for Expansion (Power + Steel Plant + Brick Plant).	
26.	Shyam Metaliks & Energy, Sambalpur.	Design & Engineering of Piping.	
27.	Emaar Alloys, Choka (Jharkhand)	DPR for 08MW CPP (MoEF Clearance).	
28.	Sai Chemicals, Rajnandgaon (C.G.)	Supervision of Dismantling & Shifting of 08MW TG Set with auxiliaries for installation at Purlia (W.B.).	
29.	Rohit Ferro Tech Ltd, Jajpur (Odisha).	Engineering of 67.5MW CPP based on 2x150TPH CFBC.	
30.	Howrah Gases & Chaman Metaliks Ltd.	DPR submitted for Bank / Institutional Loan.	
31.	Shiv Shakti Steel, Raigr (C.G.)	DPR Submitted for bank Loan (10MW CPP).	
32.	Sunil Sponge Ltd, Raipur (C.G.)	Engineering Services for installation of AFBC Boiler.	
33.	Indo Sponge & Power, Korba (C.G.)	Engineering & Renovation services for 6MW CPP.	
34.	TRN Energy Power, Raiagr (C.G.)	600MW—Intake Well Civil & E&I Engineering.	
35.	Sirpur Power & Steel, Mahasamund	08MW (IPP) - Engineering & Consultancy Services.	
36.	Shree Karthik Papers, Coimbatore	3.5MW (CPP) - Engineering & Consultancy Services.	
37.	Karmic Energy (P) Ltd, Bilaspur (C.G)	05MW (IPP) - Engineering & Consultancy Services.	

S.NO	PROJECT NAME	JOB DESCRIPTION
01.	GUNRAAJ AQUA (P) LTD, Jabalpur (M.P)	RAIL NEER WATER BOTTLING PROJECT
02.	SN FOOD & NEER (P) LTD, Bhusawal (Mah)	RAIL NEER WATER BOTTLING PROJECT
03.	ILLIOS BREWERIES (P) LTD, Rajamundhary (A.P.)	VEERA BEER BOTTLING PROJECT
04.	AMPLUS (PREMISES OF PROCTOR & GAMBLE, HYD)	01 MW SOLAR POWER PROJECT (E&I)

PART/COMPLETED ENGINEERING & BANK REPORT SUBMISSION

S.NO	PROJECT NAME	SIZE	JOB DESCRIPTION
01.	MSP SPONGE IRON, Keonjhar	15	38TPH WHRB + 35TPH AFBC.
02.	AMIYA STEEL (P) LTD, Mejia (W.B)	10	MOEF Clearance Awaited.
03.	REXON STRIPS (P) LTD, Rourkela	05	Bank Clearance Awaited.

ONGOING ENGINEERING PROJECT

S.NO	PROJECT NAME	SIZE	JOB DESCRIPTION
01.	SREE METALIKS, Keonjhar	15	1x65TPH WHRB : Civil Work + Engineering
02.	PB STEEL (P) Ltd, Kollam, Nr. Bellary (K.N)	05	2x10TPH WHRB + 10TPH AFBC: Under Erection
03.	SALAGRAM STEEL, Burdhaman	08	1x22TPH WHRB: Under Erection
04.	RASHMI ISPAT LTD, Jhargram	—	2x12MT Induction Furnace with CCM: Civil + Erection
05.	CHHATTISGARH DISTILEARIES, Kumhari, Durg (C.G.)	03	1x25TPH AFBC + 03MW TG. Power to Process Plant. Under Engineering.
06.	MODI BIO-TECH LTD, Arang (CG)	05	High Pressure Pipeline & Electrical Engineering
07.	SMC POWER GEN, Jharsuguda (Odisha)	40	High Pressure Pipeline Engineering.
08.	CENTPRO Engineering, Pune	—	Medium Pressure Piping Engg for JSPL, Angul



EXPERTISE IN Implementation of power plant
FROM CONCEPT TO COMMISSIONING.

- ⇒ Waste Gases / Coal Based Power Plants.
- ⇒ Biomass Based Power Plants.
- ⇒ Design & Engineering of Material Handling System.
- ⇒ Design And Engineering of Ash Handling System.
- ⇒ Design And Engineering of High Pressure Piping.
- ⇒ Execution of Electrical Projects on EPC Basis.
- ⇒ Project Management of Plants.

SEPL

SHAKTIPUNJ ENGINEERS PVT. LTD.