COMPANY PROFILE · 2026

ESTABLISHED 2004 · RAIPUR, CHHATTISGARH, INDIA

SHAKTI PUNJ ENGINEERS

Power Plant Engineering — from Concept to Commissioning.

Design, engineering, project management and EPC for captive power plants built on Waste-Heat-Recovery (WHRB), AFBC, CFBC and biomass boilers — and ground-mounted solar PV. Specialist consultants to sponge-iron / DRI and steel producers across India.

35 PLANTS · ≈430 MW COMMISSIONED · 10 STATES · SINCE 2004

WHRB | AFBC | CFBC | BIOMASS | SOLAR EPC | HIGH-PRESSURE PIPING | CIVIL & STRUCTURAL

DIRECTORS

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REACH US

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WHO WE ARE

Engineering power plants across India for two decades.

Shakti Punj Engineers (P) Ltd provides design, detailed engineering, project management and EPC services for power projects nationwide. We are specialists in Waste-Heat-Recovery and AFBC boiler-based captive power plants for sponge-iron and steel producers — having commissioned 35 plants from 1 MW to 40 MW, and engineered projects up to 67.5 MW — around 430 MW of captive power in total. We engineer right the first time, optimise project cost, and have earned repeat orders from a majority of our clients.



FOUNDER & DIRECTOR

LEADERSHIP

Shri R. P. Sinha

FOUNDER & DIRECTOR — POWER ENGINEER

An M.Tech from IIT Kharagpur with more than **47 years** of experience executing power projects from concept to commissioning, across both public and private sector organisations including HEC, NTPC, JSPL and Monnet Power. He founded Shakti Punj Engineers in 2004 to bring large-plant rigour to captive and independent power projects.

M.Tech · IIT Kharagpur | 47+ yrs experience | HEC | NTPC | JSPL | Monnet Power

Shri P. K. Sinha — Director. Leads engineering delivery and client coordination, supported by senior specialists in civil, mechanical and E&I disciplines.

BY THE NUMBERS

2004	35	≈430 MW	47+	1–67.5 MW
YEAR ESTABLISHED	POWER PLANTS COMMISSIONED	CAPACITY COMMISSIONED	YRS DIRECTOR EXPERIENCE	PER-PROJECT CAPACITY RANGE

SECTORS SERVED

Sponge Iron / DRI | Steel & Ferro-Alloys | Cement | Distilleries & Breweries | Bottling (Rail Neer) | Paper | Solar / Renewables

WHAT WE DELIVER

Full-scope engineering, one accountable team.

From feasibility and detailed project reports to multi-discipline detailed engineering and site commissioning — a single consultant from concept to handover.

BASIC CONSULTANCY

Feasibility studies · Detailed Project Reports · project planning & scheduling · basic design engineering · tender documents, specifications & drawings · vendor bid evaluation · contract assistance · post-contract vendor drawing review.

DISC · 01

Mechanical

BTG-package engineering & plant layout.

- Heat & water balance diagrams
- Plant equipment layout & landscape
- P&IDs & equipment sizing

DISC · 02

Piping

High-pressure steam piping specialists.

- Layouts & isometric drawings
- Flexibility & stress analysis
- BOM: pipes, valves, supports, PRDS

DISC · 03

Electrical

Power system design & procurement.

- Load-flow & short-circuit analysis
- Switchyard & grounding design
- Cable sizing, schedules & selection

DISC · 04

Instrumentation & Control

DCS-based plant control.

- Logic & control-loop diagrams
- DCS I/O & instrument lists
- BTG–DCS interface coordination

DISC · 05

Civil & Structural

Foundations to steel structures.

- Foundations per soil bearing capacity
- BOQ — steel, cement, aggregates
- TG-building truss, CHP sheds, trays

DISC · 06

Project & Site Management

Concept to commissioning.

- Bar-chart scheduling & monitoring
- Senior specialist site deputation
- Vendor & owner coordination

POST-CONTRACT & QA

Field assistance during erection & commissioning · sub-contractor package review · vendor shop inspection & Factory Acceptance Tests · quality assurance during erection · as-built drawings & documents · O&M support and post-commissioning assistance.

HOW WE ENGAGE

Feasibility & DPR · Detailed Engineering Consultancy · EPC — Electrical & Solar · Project Management & Site Supervision

ENGINEERING TOOLS AutoCAD · STAAD.Pro · CAESAR II · heat & mass-balance and plant-design software

PLANTS COMMISSIONED · 2006–2026

35 Power Plants

≈ 430 MW of captive power

8+ STATES

1–40 MW PER PLANT

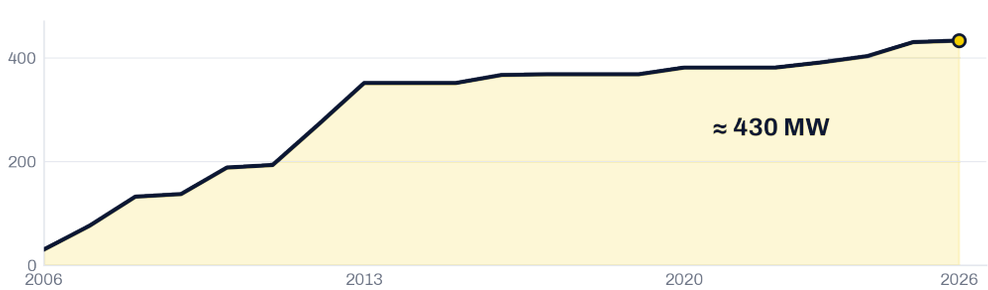
WHRB·AFBC CFBC·BIOMASS·SOLAR

COMMISSIONED POWER PLANTS — 1 OF 2

#	CLIENT / PROJECT	MW	LOCATION	TECHNOLOGY	YEAR
01	Real Ispat Ltd.	12	Raipur, CG	WHRB + AFBC	2006
02	Shri Bajrang Power	8+10	Raipur, CG	WHRB	2006
03	Agio Paper Industries	4	Bilaspur, CG	Biomass	2007
04	Ankit Metal & Power	12	Bankura, WB	WHRB + AFBC	2007
05	SKS Ispat Ltd.	30	Raipur, CG	AFBC	2007
06	SKS Ispat Ltd.	40	Raipur, CG	AFBC	2008
07	Shri Bajrang Power	16	Raipur, CG	AFBC	2008
08	Gopal Sponge	5	Raipur, CG	WHRB	2009
09	Shri Ganesh Metalliks	25	Rourkela, OD	WHRB + AFBC	2010
10	Shri Bajrang Metalliks	16	Raipur, CG	AFBC	2010
11	Rameshwaram Steel	10	Raigarh, CG	WHRB + AFBC	2010
12	S. K. Sarawagi & Co.	5	Raipur, CG	WHRB	2011
13	MSP Steel & Power	34	Raigarh, CG	CFBC	2012
14	Ankit Metal & Power	8	Bankura, WB	WHRB	2012
15	Rashmi Cement Ltd.	18	Jitusol, WB	WHRB + AFBC	2012
16	Rashmi Metalliks Ltd.	18	Kharagpur, WB	WHRB + AFBC	2012
17	Maa Kali Alloys Udyog	10	Raigarh, CG	WHRB + AFBC	2013
18	Shah Sponge & Power	15	Jamshedpur, JH	WHRB + AFBC	2013

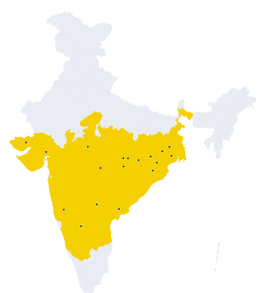
GROWTH

Cumulative capacity commissioned



REACH

Projects across India



10 STATES · CENTRAL & EASTERN STEEL BELT

COMMISSIONED POWER PLANTS — 2 OF 2 · RECENT PROJECTS HIGHLIGHTED

#	CLIENT / PROJECT	MW	LOCATION	TECHNOLOGY	YEAR
19	**Baldev Alloys (P) Ltd.**	8	Raipur, CG	WHRB + AFBC	2013
20	**Sine Wave Bio-Mass**	10	Sangli, MH	Biomass	2013
21	**Rashmi Metalliks Ltd.**	12	Kharagpur, WB	WHRB	2013
22	**Ankit Metal & Power**	25	Bankura, WB	AFBC	2013
23	**Chhattisgarh Distillery**	3.5	Kumhari, CG	AFBC	2016
24	**Rashmi Ispat (P) Ltd.**	12	Jhargram, WB	WHRB + AFBC	2016
25	**Gimatex Industries**	0.89	Dholka, GJ	AFBC	2017
26	**Gimatex Industries**	0.50	Hinganghat, MH	AFBC	2017
27	**Sagar Nutriments**	2	Bhopal, MP	AFBC	2020
28	**Amplus KN Solar — EPC**	1	Hyderabad, TS	Solar	2020
29	**Shree Rupanadham Steel**	10	Raigarh, CG	WHRB + AFBC	2020
30	**BSSUK — CG State Govt.**	5	Kawardha, CG	AFBC	2023
31	**Ramdev Agro Products**	5	Pipariya, MP	AFBC	2023
32	**Shree Ram Steel & Power**	12	Ramgarh, JH	WHRB + AFBC	2024
33	**Vraj Iron & Power Ltd.**	15	Bilaspur, CG	WHRB	2025
34	**Sree Metaliks Ltd.**	12	Angul, OD	WHRB + AFBC	2025
35	**Chhattisgarh Distilleries**	3	Kumhari, CG	AFBC	2026

BEYOND COMMISSIONING

40+ part-engineering & report assignments

DPRs & Clearance Reports — 15+

Detailed Project Reports for bank / institutional loans and MoEF clearance — Kalinga Metaliks, Rohit Ferro Tech, Impex Ferro, Jupiter Cement, SKJ Ispat and more.

High-Pressure Piping — 8+

Steam piping design & stress analysis up to the 4×210 MW class — MSP Steel, CSPGCL Korba, SMC Power Gen, Shyam Metalics, JSPL Angul (via CentPro).

Civil & Structural —

TRN Energy 600 MW intake-well civil & E&I, Green Bilt AAC plant, Best Food Industries — foundations, structures and BOQs.

Audits & Trouble-shooting —

Prakash Industries 100 MW network audit, Bhagwati Steel vacuum trouble-shooting, Indo Sponge 6 MW CPP renovation, TG-set relocation.

CURRENTLY ENGAGED

Active on site, right now.

A live order book of plants under erection and engineering — evidence of continuing client trust, not just a historic portfolio.

ONGOING ENGINEERING PROJECTS		07 ACTIVE
Vraj Iron & Steel Ltd. CAPACITY ADDITION	+25 TPH AFBC into existing 15 MW CPP	UNDER COMMISSIONING
Sree Metaliks KEONJHAR, ODISHA · 15 MW	1×65 TPH WHRB	FINAL ERECTION
PB Steel (P) Ltd. KOLLAM, NR BELLARY, KN · 5 MW	2×10 TPH WHRB + 10 TPH AFBC	UNDER ERECTION
Aarti Synergy (P) Ltd. RAIPUR, CG · 3 MW	1×25 TPH AFBC + 3 MW TG · civil & design	UNDER ERECTION
SiddhiRiddhi International (P) Ltd. 30 MW	2×40 TPH WHRB + 1×40 TPH AFBC	ENGINEERING
Ardent Steel Ltd. 40 MW	2×40 TPH WHRB + 1×80 TPH AFBC	ENGINEERING
SAL Steel Ltd. CAPACITY ADDITION	1×65 TPH WHRB on 500 TPD DRI kiln	ENGINEERING

BEYOND CAPTIVE POWER

EPC electrical & diversified projects

Gunraaj Aqua (P) Ltd.
IRCTC RAIL NEER · JABALPUR, MP
33 kV switchyard, compact sub-station, MCC, cabling & electrification — supply, erection & commissioning (2019).

Ilios Breweries (P) Ltd.
VEERA BEER · W. GODAVARI, AP
33 kV switchyard supply, erection, testing & commissioning with utility tie-in — completed 2019.

SN Food & Neer (P) Ltd.
RAIL NEER · BHUSAWAL, MH
Electrical EPC for IRCTC Rail Neer water-bottling plant.

Amplus (at P&G premises)
SOLAR POWER · HYDERABAD, TS
1 MW solar power project — electrical & instrumentation EPC scope (2021). Foundation for our solar EPC offering.

IN OUR CLIENTS' WORDS

Plants delivered — and still running.

Summaries of completion certificates issued by clients. Full signed certificates are available on request.

> Appointed SEPL for complete civil, mechanical, electrical and instrumentation consultancy on our 25 MW plant. The plant was commissioned and has remained in successful operation since.

Ankit Metal & Power Ltd. (SKP Group)

25 MW · BANKURA, WB · COMMISSIONED 2013

> SEPL provided design and engineering across all disciplines and project management for our 15 MW captive plant, which was commissioned and has run in continuous successful operation.

Shah Sponge & Power Ltd.

15 MW · JAMSHEDPUR, JH · COMMISSIONED 2014

> Engaged on an EPC basis for technical consultancy and project management of our 5 MW plant on 2×10 TPH WHRB; the plant was successfully commissioned and remains in operation.

S. K. Sarawagi & Co. (P) Ltd.

5 MW · SILTARA, RAIPUR · COMMISSIONED 2011

> Provided full multi-discipline engineering and project management for our 8 MW power plant on 3×5 TPH WHRB + 1×30 TPH AFBC, commissioned and in successful operation.

Baldev Alloys Pvt. Ltd.

8 MW · SILTARA, RAIPUR · COMMISSIONED 2013

A FEW OF THE ORGANISATIONS WE HAVE SERVED

SKS Ispat · MSP Steel & Power · Rashmi Group · Shri Bajrang Power · Shri Ganesh Metalliks · Gopal Sponge & Power · Rohit Ferro Tech · JSPL (via CentPro) · CSPGCL · TRN Energy · Gimatex Industries · Ilios Breweries · Gunraaj Aqua (IRCTC) · Amplus Solar · CG State Govt. (BSSUK)

NEW INITIATIVE

EXPANDING SCOPE · 2026

Ground-Mounted Solar PV — EPC

Building on our commissioned 1 MW solar project at the Procter & Gamble premises (Hyderabad) and our solar PV project development work, Shakti Punj Engineers now offers full EPC for ground-mounted solar power plants — bringing the same concept-to-commissioning discipline to renewables.

PROJECT DEVELOPMENT & DPR · DESIGN & ENGINEERING · E&I EPC · COMMISSIONING

WHY SHAKTI PUNJ ENGINEERS

Proven at scale

≈ 430 MW across 35 plants commissioned (1–40 MW each), plus engineering up to 67.5 MW, since 2006.

Repeat-order trust

A majority of clients return for extensions and new projects — Ankit, SKS, Rashmi, Bajrang.

One accountable team

All disciplines under one roof, from feasibility through commissioning and O&M support.

Cost & schedule focus

Right-first-time engineering with proven delivery, within budget and on the shortest schedule.

DIRECTORS

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