



RADIANT

ENGINEERING & SERVICES

a part of **DEHU** Group of Companies

Multi Products & Engineering Services

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About Us...

Radiant Engineering and Services (RES), a part of Dehu Group of Companies, is driven by a team of engineers with over 18 years of expertise in the thermal power plant sector. We specialize in providing comprehensive solutions including proposal, marketing, project management, manufacturing, erection, commissioning, troubleshooting and operation & maintenance of thermal power plants of varying capacities.

Our commitment to quality and innovation ensures optimal plant performance, while our dedicated team delivers reliable, cost-effective services, contributing to the success and sustainability of each project we undertake.

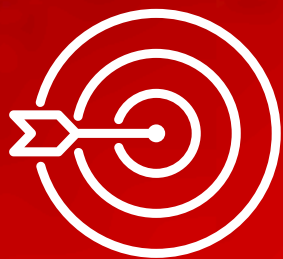
Radiant Engineering and Services (RES), a proud member of the DEHU Group, is defined by nearly two decades of engineering excellence in the thermal energy sector. Our core strength lies in a specialized team of experts with over 18 years of field-proven experience in thermal power plant operations.

We offer an end-to-end suite of services designed for thermal plants of all capacities, covering the entire project lifecycle:

Implementation: Project management, precision manufacturing, and professional erection.

Operational Readiness: Commissioning, advanced troubleshooting, and long-term Operation & Maintenance (O&M).

Driven by a commitment to innovation and high-quality standards, RES ensures optimal plant performance and peak efficiency. We pride ourselves on delivering reliable, cost-efficient solutions that prioritize the long-term success and environmental sustainability of every project we manage.



Our Mission

To deliver reliable, innovative, and cost-effective engineering solutions that enhance plant performance and support sustainable industrial development



Our Vision

To become a trusted global partner across power plants, utilities, oil & gas, renewable energy, cement, sugar, and industrial services through excellence, safety, sustainability, and continuous innovation.

Complete Engineering Products & Solutions under One Roof

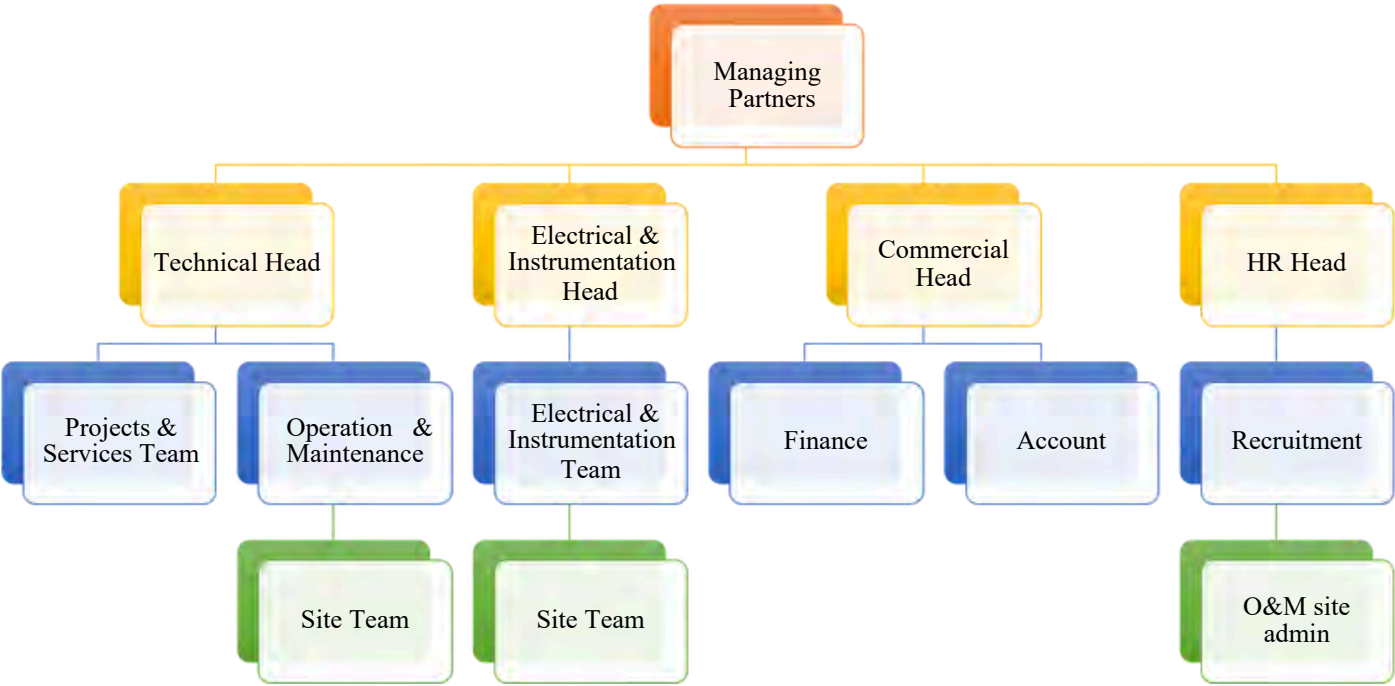
As Radiant Engineering & Services, We undertake the following services

- Operation and Maintenance of boiler and power plants of all capacities & types (Thermal- IPP, Co-gen & CPP and Combined cycle)
- Operation and Maintenance of thermic fluid heater & utility units
- Boiler & Power plant Pre-commissioning and Commissioning service
- Boiler startup operation, Performance related Troubleshooting
- Technical Manpower support for OEMs for Commissioning and O&M Services
- Boiler AMC Service all types - AFBC, CFBC, WHRB, Travelling grate & Process boiler
- AMC of WTP/ETP/MEE & Cooling Tower
- Project Management of boiler & power plant execution
- Boiler & auxiliary system Retrofitting for performance improvement
- Troubleshooting & overhauling of Boilers & heaters
- Troubleshooting & overhauling of steam turbines

As Radiant Engineering & Services, We Supply

- Boiler pressure parts for all type of boilers
- Non pressure parts for all type of boilers
- Complete spares for all type of turbines
- IBR spares
- Non IBR spares
- Fans & its spares
- Pumps & its spares
- Electrical & Instrumentation Spares
- Chemicals for WTP, ETP, Cooling towers, etc....

Organisation Chart – Head Office



Our Core Services

Manpower...



At Radiant, our skilled manpower is the driving force behind every successful project. With expertise in installation, maintenance, and fabrication, we ensure precision, efficiency and reliability across all operations. Our team is trained to handle complex systems with a strong focus on safety, quality and timely execution.

By minimizing downtime and enhancing performance, we help our clients achieve greater productivity and cost efficiency. Whether it's a new project, routine maintenance or specialized fabrication, our workforce delivers results that stand the test of time—making us a trusted partner in the boiler and power plant industry.

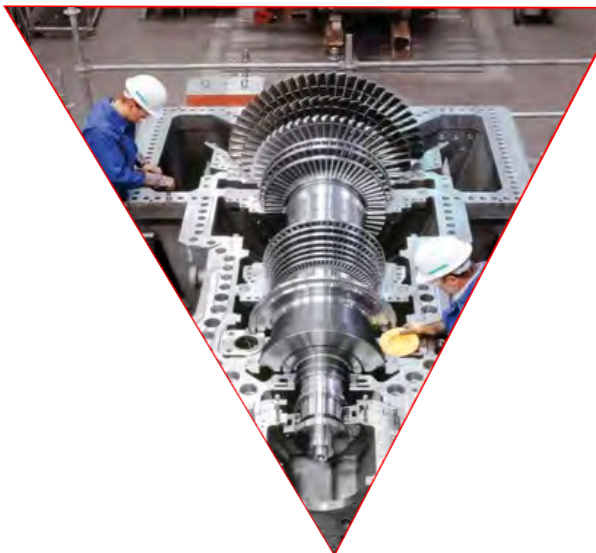
Operation & Maintenance...

All types of Power Plants
All types of Boilers
All types of Turbines All types of Fuel &
Ash Handling Systems All types of Utility
Units All types of Thermic Fluid Heaters
All types of Water Treatment Plants
Effluent Treatment Plant Multiple Effect
Evaporators Cooling Towers



Services

- Erection & Commissioning of all types of power plants
- Erection & Commissioning of all types of boilers
- Erection & Commissioning of all types of steam turbines
- Erection & Commissioning of Fuel handling systems, ESP & APH (Air Preheater)
- Erection & Commissioning of Water Treatment, Effluent Treatment Plant
- Replacement of all boiler pressure & non - pressure parts
- Troubleshooting of all types of Boilers, Turbines & BOP
- Boiler furnace bed conversion from DP Plate to Sporge Header
- Overhauling and shutdown jobs of Boiler, Heaters & steam turbines
- All types of boilers & turbines Shutdown Job Services
- RLA Study of all types of Boilers, Turbines, FHS, ESP, TFH, WTP & ETP



Pressure Parts



Bed Coil

Economiser Coil

Super Heater coils

Steam Drum

Mud Drum

Water Wall Panels

Pressure Vessels

Water Wall Bend Tubes

Super Heater Bend Tubes

Economiser Bend Tubes

Fire Tube Boilers

Economiser Bend Tubes

All Type of Headers

Shell & Tube Heat Exchangers

HP Heaters

Riser Tubes

Down Commer Pipes

Non Pressure Parts



Miter Bend	Bend Duct
Drum Internal	Bunker
Silencers	ID Fans
Tanks	Base Frame
Ash Silo	APH Tube Sheet
Pneumatic Spreaders	Base Frame
Yoke Assembly	Damper
Dryer	Air Preheater
Bale Breaker	Sparger Header
Fuel Tunnel Assembly	Expansion Bellow
Bag Filter	Support Siting Rods
Sample Cooler	Ash Hoppers
Combustion Chamber	Air Receiver Tank
Condensate Pump	Gratings
Duct Assembly	Bagasse Feeder
Base Pump	Travelling Grate
Dumping Grate	Air Preheater Assy
Inlet Guide Vane	Galvanized Handrails
Miter Bend	Aerofoil
Chimney	Fan impellers

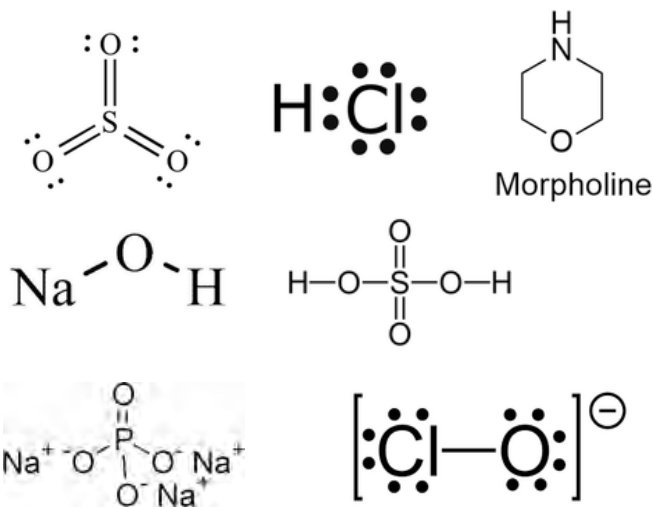
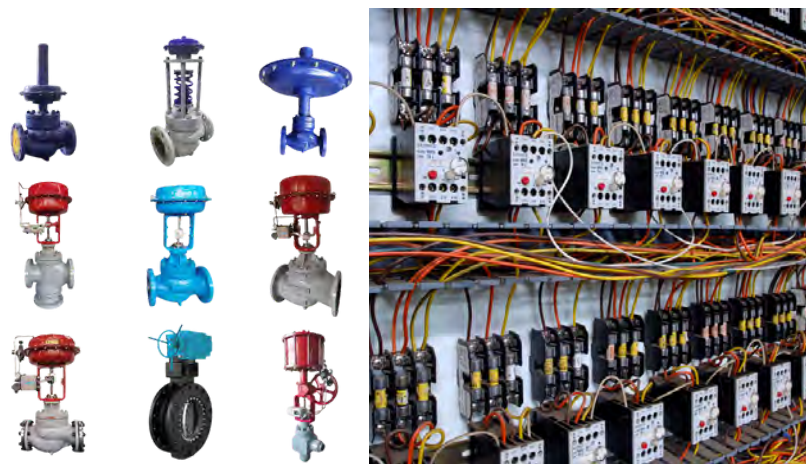
Supply Services

Electrical & Instrumentation Accessories

We provide high-quality Electrical and Instrumentation Accessories designed for precision and durability. Our range includes sensors, controllers, switches and wiring solutions, ensuring seamless integration and reliable performance for industrial applications across diverse sectors. Quality and innovation guaranteed!

Supply of Chemical for WTP / ETP / & Cooling Tower

Supplying of high-quality chemicals for Water Treatment Plants (WTP), Effluent Treatment Plants (ETP) and Cooling Towers. Our solutions ensure optimal performance, enhanced efficiency and long-term sustainability for your industrial processes.



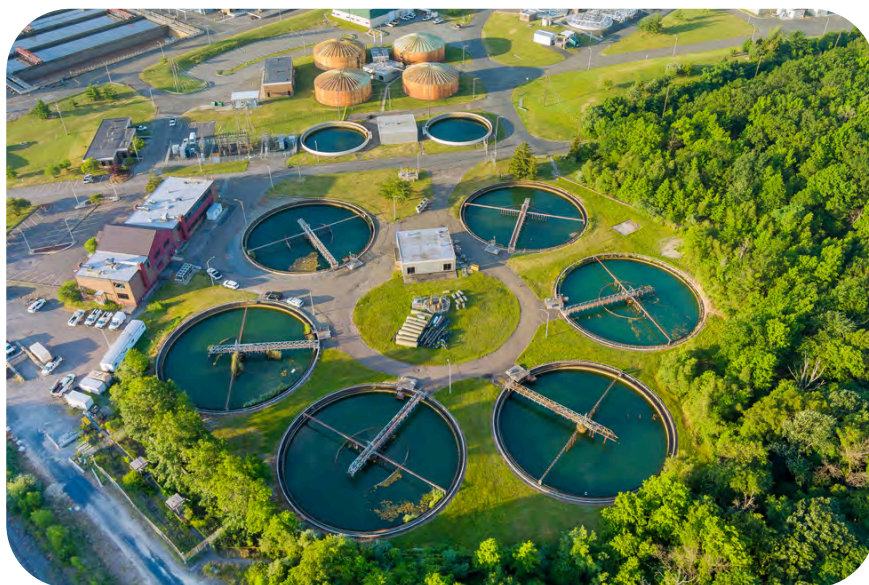
Supply Services

Supply of WTP / ETP & CT Equipments

We provide high-quality Water Treatment Plants (WTP), Effluent Treatment Plants (ETP) and Cooling Towers (CT), ensuring efficiency, reliability and compliance for diverse industrial applications.

High-Quality Solutions We Offer:

- **Water Treatment Plants (WTP):** Ensures safe, clean and reliable water for industrial processes with advanced treatment technology.
- **Effluent Treatment Plants (ETP):** Provides efficient treatment of industrial effluents, ensuring compliance with environmental regulations.
- **Cooling Towers (CT):** Delivers reliable cooling solutions with durable, energy-efficient designs for consistent performance.



Supply Services

All Types of Pumps & Blowers

At Radiant, we offer a wide range of high-performance pumps and blowers designed to meet the demanding requirements of diverse industries. Built with precision and advanced engineering, our products ensure efficiency, reliability and long service life in every application.

Whether it's for boilers, power plants or heavy industrial processes, our pumps and blowers deliver consistent performance even under challenging conditions. With a strong focus on energy efficiency and durability, we provide solutions that help reduce operational costs while maximizing productivity. Dehu Engineering stands committed to delivering equipment that drives sustainable and dependable industrial growth.



List of Boiler / ESP Spares



1. Scalloped Plates for SH Coils
2. Shield for Bed, Superheater, and Economizer Coils
3. Grate bars for TG, DG, and PG
4. Air heater tubes & tube sheets
5. Air Nozzles for AFBC Boilers
6. Air Heaters Assembly
7. Airbox Assembly and Distributer Plates
8. Mixing Nozzle
9. Fuel Nozzle
10. Fuel Nozzle Cap
11. Air Nozzles for CFBC Boilers
12. Cross
13. Pocket Feeder
14. Rotor for Pocket Feeder
15. Drag Chain and Feeder
16. Emitting Electrodes
17. Ash Feeder
18. Impeller with Shaft assembly for PA, SA, ID, & FD
Fan Collecting Electrodes
19. Cooling Fans
20. Seal Air Fans

21. Bushing Insulator
22. MDC Cone
23. MDC Inlet Guide Vane (IGV)
24. MDC Outlet Guide Vane (OGV)
25. SS Ferrules
26. Silencers
27. Thermowells
28. Man Hole Door
29. Clinker Cleaning Door
30. Expansion Bellows
31. Dampers
32. Top / Bottom Suspension Frame
33. GD Screen
34. Support Insulator
35. Shaft Insulator
36. Water Treatment Spares & Consumables
37. Water Treatment Plant and Boiler Chemicals
38. Base frames for Fans and Pumps

NON - IBR SPARES

We have showcased only a few,
we can do much more...



List of Projects Executed by Radiant Engineering and Services

Sr. No	Project	Nature of Job
1	 Buka Power Consultant. Phulpur-U.P	Technical Assistant for quality control
2	 Buka Power Consultant. Phulpur-U.P	Technical Assistant for Fabrication & Erection.
3	 Buka Power Consultant. Phulpur-U.P	Safety Officer for Fabrication & erection
4	 Khyati Chemicals Pvt Ltd Ankleshwar-GJ	Condition Monitoring & Vibration Analysis of 16 nos reactor
5	 Yantra Harvest-Aarthi Pharma Labs Ltd Tarapur-MH	Erection & Commissioning Supervision Manpower for 650kw turbo generator.
6	 Yantra Harvest-Hindustan Coca-Cola beverages Ltd Khedra-GJ	Extending Supervisory Services for erection steam line.
7	 Schwartz Turbotech Pvt Ltd Surat-GJ	Commissioning & performance test of 1500kw back pressure turbine
8	 Omega Power & Energy System Sangli-MH	Operation assistance of O&M manpower for 10Mw power plant.
9	 DEIPL-Kinyara Sugars Limited Masindi-Uganda	Commissioning of 40TPH Boiler
10	 Janki Corp Ltd Bellary-KA	Operation and Maintenance of 35 MW Captive Power Plant
11	 Janki Corp Ltd Bellary-KA Silver Oak Tea	Operation and Maintenance of 17 MW Captive Power Plant
12	 Tamil Nadu	Boiler Trouble Shooting

13		Vinati Organics Ltd. Chiplun-MH	Minor Overhauling of 8.72Mw Back pressure turbine
14		Maansteel & Power Limited West Bengal	Tube thickness measurement of various boiler
15		Satyesh Brinechem Pvt. Ltd. Kutch, GJ	Major overhauling assessment for 27 TPH AFBC Boiler
16		Shree Durga Syntex Pvt. Ltd Jovla, GJ	Performance analysing of 1.5 MW back pressure turbine
17		Alivira Animal Health Ltd Vizg, AP	Energy Saving Assessment of 16 TPH Process boiler
18		Shree Madhi Vibhag Khand Udyog Sahakari Mandli Ltd. Madhi, Gujarat	Operation of 7 MW back pressure turbine
19		Sripathi Paper and Boards Pvt Ltd Sivakasi, Tamilnadu	1. Execution of Shutdown Jobs 2. Erection of DM Tank
20		Vinati Organics Ltd. Chiplun-MH	Commissioning of 10Mkcal/hr Thermic Fluid Heater
21		Vinati Organics Ltd. Chiplun-MH	Performance enhancement of FD & ID fans of 10Mkcal TFH
22		DEHU Engg - Satyesh Brinechem Pvt. Ltd. Kutch, GJ	Execution of major overhauling jobs
23		Akshat PaperLtd (Textile Division), Surat, Gujarat	Consultation for 3.1 MW Co-Generation Power plant
24		Bhagyalaxmi Engineering Services, Pune, Maharashtra	Deputation of Commissioning Engineer
25		Dehu Engineering (India) Private Limited, Pune, Maharashtra	Deputation of safety officer
26		DK Engineers - Apollo tyres limited, Kalamassery	Boiler Performance Study
27		Theraja Engineering (India)	Supply of manpower

28		Khyati Chemicals Pvt Ltd Ankleshwar-GJ	Supply of thermowells
29		Maruti Ispat And Pipes Pvt Ltd	Supply of Lube Oil Cooler for 8 MW Siemens turbine
30		Shree Durga Syntex Pvt. Ltd Jovla, GJ	Supply of Pocket feeder casing
31		Silver Oak Tea, Tamilnadu	Boiler performance study
32		Sripathi Paper and Boards Pvt Ltd, Sivakasi, Tamilnadu	1. Supply of Air nozzle 2. Supply of IBD & CBD valves
33		Vinati Organics Ltd. Chiplun-MH	1. Supply of KBD chain Sprocket 2. Supply of Spring Hanger 3. Supply of non-metallic expansion bellow 4. Supply of MB resin drop Strainer
34		Shree Durga Syntex Pvt. Ltd Jovla, GJ	Supply of Bed coil & Bed Superheater
35		Sripathi Paper and Boards Pvt Ltd, Sivakasi, Tamilnadu	1. Supply of steam drum Gauge glasses 2. Supply of Air heater assembly 3. Supply of DM tank 4. Supply of ESP bellow
36		Vinati Organics Ltd. Chiplun-MH	1. Supply of FD suction cone 2. Supply of aerofoil 3. Supply of air ducts 4. Supply of conveyor rollers
37		DEHU Engg - Satyesh Brinechem Pvt. Ltd. Kutch, GJ	Supply of materials for major overhauling 1. Bed Evaporator Coils 2. Super heater coils 3. Air nozzles 4. Economiser bends 5. Mixing nozzles 6. Cross 7. Pa line materials.

Our Esteemed Customers



Credentials

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**VINATI
ORGANICS
LIMITED**

ISO 9001 - 14001 & 18001 Certified

PAN NO. : AAACV6538K

GSTIN/UIN: 27AAACV6538K1ZX

CI. N. NO.: L24116MH1989PLC052224



Ref No. VOL/LOTE/CO-GEN/2025-26/15

Date: 12.02.2026

TO WHOMSOEVER IT MAY CONCERN

We would like to formally express our heartfelt gratitude to M/s. Radiant Engineering and Services for their outstanding performance and unwavering dedication during the commissioning of the 10M kcal/hr Thermic Fluid Heater (TFH) manufactured by M/s Heatex, which has been installed at our facility.

The team from M/s RES exhibited a remarkable level of technical expertise, commitment, and professionalism throughout the commissioning process. In spite of stringent timelines and on-site challenges, the tasks were carried out methodically with a strong emphasis on safety, quality, and compliance with engineering standards.

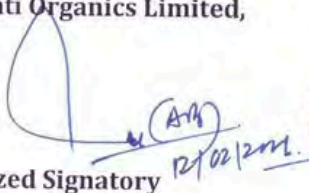
The proactive measures taken by the engineers of M/s RES in troubleshooting, coordinating with other agencies, and ensuring seamless system integration greatly contributed to the successful and timely commissioning of the TFH.

We especially value the prompt responses, 24/7 support, and collaborative spirit demonstrated by the M/s RES team, which were instrumental in stabilizing operations. Such commitment and craftsmanship are a testament to M/s RES's robust technical capabilities and customer-oriented approach. We anticipate a continued partnership and successful collaboration with M/s RES in future projects as well.

We wish them immense success in their future endeavours.

For Vinati Organics Limited,

Authorized Signatory


12/02/2026



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Operation & Maintenance Projects

Site: M/s. Janki Corp Ltd, Bellary-KA

Plant-1 Capacity	: 35 MW
Steam inlet Pressure	: 105 kg/cm2
Steam Temperature	: 535 deg C
Type of Turbine	: Condensing Turbine (ACC)

Plant-2 Capacity	: 17 MW
Steam inlet Pressure	: 67 kg/cm2
Steam Temperature	: 470 deg C
Type of Turbine	: Condensing Turbine (ACC)

We have deployed skilled manpower for the operation of 35 MW and 17 MW condensing turbines, ensuring safe, efficient, and continuous power generation. Our team includes experienced turbine operators who adhere strictly to standard operating procedures and safety protocols.

In addition, we have provided qualified electrical personnel for both the 35 MW and 17 MW power plants. The electrical team is responsible for the operation, monitoring, preventive maintenance, and troubleshooting of electrical systems, ensuring uninterrupted power supply and equipment reliability.

We have also supplied specialized instrumentation manpower for the 35 MW power plant. Their responsibilities include calibration, maintenance, and monitoring of control and instrumentation systems to maintain process accuracy, system stability, and optimal plant performance.

Our team has been successfully operating the project without any operational complaints since O&M started. Our team demonstrating our commitment to reliability, efficiency, safety, and high-quality service delivery.

Site: M/s. Shree Madhi Vibhag Khand Udyog Sahakari Mandli Ltd., GJ

Plant-1 Capacity Steam	: 7 MW
inlet Pressure Steam	: 31 ata
Temperature Type of	: 390 deg C
Turbine Steam Exhaust	: Backpressure turbine.
Pressure	: 2.5 ata

We have deployed skilled operation manpower to Svojas Engineering Pvt. Ltd. for the operation of a 7 MW back-pressure steam turbine at Shree Madhi Vibhag Khand Udyog Sahakari Mandli Ltd.. In addition, we have provided qualified electrical personnel to handle the plant’s electrical systems, ensuring safe, reliable, and uninterrupted operations.

Our deployed team ensures continuous and efficient plant operation through proactive monitoring, preventive maintenance practices, and prompt troubleshooting, contributing to high system reliability and operational safety.

Quality & Safety



Quality & Safety



At Radiant Engineering & Services, we are dedicated to upholding quality as our core principle, ensuring continuous improvement in every aspect of our services. We foster a culture of excellence by empowering our employees through ongoing training and skill enhancement. It's no surprise that Radiant Engineering & Services has earned a reputation for the exceptional quality standards we maintain at every stage.

Radiant Engineering & Services upholds stringent safety standards in health, safety and the occupational environment throughout all stages of execution. We ensure compliance with contractual obligations to achieve "INCIDENT-FREE DAYS" at all our work sites, adhering to statutory requirements.



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