

COAL BASED POWER PLANT PROJECTS

EPC Solutions is providing comprehensive engineering and consultancy services for following Coal based Power Plants.



PROJECT	TYPE	RATING	STATUS
<p style="text-align: center;">Nagai Power Pvt. Ltd.</p> <p>The Nagai Power project of 300 MW is a coal based project being set up by the KVK Energy & Infrastructure Pvt. Ltd. through a special purpose vehicle (SPV) at Nagapattinam, Tamil Nadu. The Project has commenced construction and commissioned in June 2013.</p>	COAL	300 MW	COMMISSIONED
<p style="text-align: center;">KVK Nilachal Power Pvt. Ltd.</p> <p>This is a coal based power plant located in Cuttack, Orissa and the phase I of the project (350 MW) is scheduled to be commissioned on June, 2013.</p>	COAL	350MW	COMMISSIONED
<p style="text-align: center;">Shri Girija Alloy & Power (I) Private Limited, Rajahmundry, A.P. –Coal based Captive Power plant.</p> <p>Working as an owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	CFBC BOILER (Indonesian + Indian Coal based)	108MW	COMMISSIONED
<p> Laxmi Organics, Mahad, Maharashtra – 7.5 MW Coal based Captive Power Plant.</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	AFBC BOILER (Rice husk + Indian Coal based)	7.5MW	COMMISSIONED
<p> Bayan Group, Indonesia –Coal based IPP.</p> <p>Working as an owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	CFBC BOILER (Indonesian)	2x15MW	UNDER COMMISSIONING
<p style="text-align: center;">Archean Chemicals, Kutch, Gujarat –Co-generation Plant.</p> <p>Working as an owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	AFBC BOILER (Indonesian Coal)	12MW	UNDER ERECTION
<p>Tannex Power, Cuddalore, Tamil Nadu –Coal based IPP.</p> <p>Working as an owner's consultant for Basic and</p>	CFBC BOILER (Indonesian + Indian Coal)	2x135MW	ENGINEERING

Detail Engineering up to commissioning of the plant.			
Deify Infrastructure (Jayaswal Neco Group), Bilaspur, Chhattisgarh –Coal based Captive Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	WHRB +CFBC BOILER (Coal cum waste heat recovery based CPP.)	2x25MW	ENGINEERING
Vandana Global, Raipur - Coal based Captive Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	AFBC BOILER (Indonesian Coal)	20MW	ENGINEERING
Shree Gluco Bio Tech, Mandya –Coal based Captive Power plant and Starch Plant Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the Power plant.	AFBC BOILER (Indonesian Coal)	3MW	ENGINEERING
M/s Ashoka Distillers & Chemicals Pvt. Ltd– Coal based Captive Plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the Power plant	AFBC BOILER (Indian Coal)	4MW	ENGINEERING

BIO MASS BASED POWER PLANT PROJECTS

EPC Solutions is providing comprehensive engineering and consultancy services for following Biomass based Power Plants.

PROJECT	TYPE	RATING	STATUS
Gaps Power, Aurangabad - IPP Power Plant Working as an Owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Biomass with Cotton stalk	13MW	COMMISSIONED
Shanti GD Ispat, Raipur –IPP Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Rice Husk based Power Plant	15MW	COMMISSIONED
Sunquest Energy Sdn Bhd, Malaysia - IPP	Biomass	6.5MW	COMMISSIONED

Power Plant Working as a Engineering consultant for the EPC contractor M/s. Transturbo Engineering Sdn Bhd, Malaysia.	(Extracted Fruit Bunch)		
 Pioneer Industries, Pathankot –Captive Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Rice Husk based Power Plant	3MW	COMMISSIONED
 Bhatinda Chemicals, Bhatinda –Captive Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Rice Husk based Power Plant	5MW	COMMISSIONED
Matrix Agro, Chincholli – IPP Power plant. Working as an owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Bengal Gram based Power Plant	6MW	UNDER ERECTION
Tara Power, Latur – IPP Power plant. Working as an Owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Biomass with cotton stalk	10MW	ENGINEERING
Vasuki Power, Haveri – IPP Power plant. Working as an Owner’s consultant for Basic and Detail Engineering up to commissioning of the plant.	Biomass with cotton stalk	10MW	ENGINEERING
ELTT Project, Uruguay (Latin America – IPP Power plant. Working as a Detail Engineering Consultant for an EPC Contractor.	Wood Chip	10MW	UNDER ERECTION

HFO/LDO/NATURAL GAS BASED POWER PLANTS





EPC Solutions is providing comprehensive engineering and consultancy services for following HFO/LDO/Natural Gas based Power Plants.

PROJECT	TYPE	RATING	STATUS
 Power & Energy Works, Miami -IPP power plant at Iraq (Wartsila make 8L46 Engine)	HFO	64MW	COMMISSIONED

Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.			
 Power & Energy Works, Miami - IPP power plant at Iraq (Wartsila make 6L46 Engine) Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.	HFO	24MW	COMMISSIONED
 Angelique International- Diesel Engine based power plant at Balingue Mali (West Africa) Working as a Detail Engineering Consultant for an EPC Contractor.	DIESEL	16MW	COMMISSIONED
 Angelique International- Diesel Engine based power plant at at Dharsalam, Mali(West Africa) Working as a Detail Engineering Consultant for an EPC Contractor	DIESEL	16MW	COMMISSIONED
 Angelique International- Diesel Engine based power plant at Barundi(East Africa) Working as a Detail Engineering Consultant for an EPC Contractor.	DIESEL	8MW	COMMISSIONED
 Angelique International- Diesel Engine based power plant at Ethiopia Working as a Detail Engineering Consultant for an EPC Contractor.	DIESEL	8MW	COMMISSIONED
 TurbomachEngineers- Thyagaraja Commonwealth stadium. Working as a Detail Engineering Consultant for an EPC Contractor.	NATURAL GAS	3.5MW	COMMISSIONED
 Turbomach Engineers - Combined cycle plant for Maruti Udyog Working as a Detail Engineering Consultant for an EPC Contractor.	NATURAL GAS	18MW	COMMISSIONED
 CLC Power, Bangladesh Working as a Detail Engineering Consultant for an EPC Contractor.	HFO	109MW	ENGINEERING
 Tata Steel, Kalinga Nagar Working as a Detail Engineering Consultant for an EPC Contractor	LDO	40MW	ENGINEERING

SOLAR POWER PLANTS & ENERGY TR. & DISTRIBUTION




EPC Solutions is providing comprehensive engineering and consultancy services for the following Solar Power Plants.

PROJECT	TYPE	RATING	STATUS
<p> ACME TELE POWER LTD, Delhi -IPP power plant at Bilkaner Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p> <p> ACME Solar Energy Pvt. Ltd 132/33kV Switchyard 25MW Solar Power Plant at Rajgarh Madhya Pradesh.</p>	SOLAR THERMAL-TOWER TECHNOLOGY	27.5MW	COMMISSIONED
<p> ATRIA POWER, Bangalore - IPP power plant at Kunigal Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	SOLAR THERMAL-TROUGH TECHNOLOGY	3.0MW	COMMISSIONED
<p> Refex Energy 220kV Substation for 10MW SPV for NTPC Unchahar, Raebareli, U.P.</p>	Sub Station	10 MW	COMMISSIONED
<p> Lanco Solar Energy Ltd.</p> <ul style="list-style-type: none"> • 66/11kV Switchyard 10MW Solar Power Project at Charanka, Gujarat. • 66kV Switchyard 5MW Solar Power Project at GPPCL Charanka Gujarat. • 132/33kV Switchyard 35 MW Solar Power Project at Askandhra Rajasthan. 	Sub Station	50MW	COMMISSIONED
<p> Rajasthan Rajya Vidyut Prasaran Nigam Limited – RRVPNL 400 KV Substation Transformer Bay at Jodhpur and Merta City.</p>	Sub Station	50MW	COMMISSIONED

<p>👉 Bharat Heavy Electricals Limited</p> <ul style="list-style-type: none"> • 400kV 9Bay substation at Ukai, Gujrat. • 400kV 5Bay substation at Akola, Maharashtra. • 400kV 5Bay substation at Aurangabad, Maharashtra • 400 kV Controlled Shunt Reactor (CSR) Project at Karad, Maharastra. • 220kV, 3Bay substation at Dodaballapur, Karnataka 	Sub Station		COMMISSIONED
<p>KVK Energy Ventures Pvt. Ltd.</p> <p>KVK Energy & Infrastructure Pvt. Ltd. was developing a 100 MW Solar thermal power project in Rajasthan through KVK Energy Ventures Pvt. Ltd., which had participated in bidding for development of solar thermal power project under Jawaharlal Nehru National Solar Mission for supply of power to NTPC Vidyut Vyapar Nigam Limited (NVVN), the nodal agency designated by Government of India. The Project is scheduled to be commissioned by March 2016.</p>	Solar	100MW	COMMISSIONED
<p>Bharti Realty Ltd</p> <p>220kV, GIS (Gas Insulated Substation) on EPC bases (Design, Engineering, Supply, Erection & commissioning) for Data Centre at Manesar, Gurgaon Haryana.</p>	GIS Sub Station	220kV	COMMISSIONED
<p>Honda Motorcycle and Scooter India Pvt. Ltd.-</p> <p>Establishing of 66kV,20×2 MVA GIS S/Station complete with supply and installation of transformer, HT Panel etc. Including civil work., Manaser, Haryana</p>	GIS Sub Station	66kV	COMMISSIONED

MINI HYDEL POWER PLANTS

EPC Solutions is providing comprehensive engineering and consultancy services for the following Mini Hydel Power Plants.

PROJECT	TYPE	RATING	STATUS
<p> SAI NIREHA POWER PVT LTD, HYDERABAD.</p> <p>KATTEPURA MINI HYDELScheme, HASSAN, KARNATAKA</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RUN-OFF RIVER PROJECT</p> <p>HORIZONTAL S-TYPE TURBINE</p>	<p>3x1.67MW</p>	<p>COMMISSIONED</p>
<p> SHALIVAHANA GREEN ENERGY LTD, SECUNDERABAD</p> <p>JATASHANKARI SHEP, CHHATTISGARH</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RUN-OFF RIVER PROJECT</p> <p>HORIZONTAL FRANCIS TURBINE</p>	<p>2x3.5MW</p>	<p>COMMISSIONED</p>
<p> HAYEN HYDEL COMPANY PVT.LTD</p> <p>CHAMPAMATI SHEP, ASSAM</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RUN-OFF RIVER PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>2x2.0MW</p>	<p>COMMISSIONED</p>
<p> BRAHMAPUTRA INFRA POWER PVT.LTD, GUWAHATI</p> <p>BORDIKORAI SHEP-(SCHEME-I), ASSAM</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>CANAL BASED PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>1X0.6MW</p>	<p>ENGINEERING</p>
<p> BRAHMAPUTRA INFRA POWER PVT.LTD, GUWAHATI</p> <p>BORDIKORAI SHEP-(SCHEME-II), ASSAM</p> <p>Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>CANAL BASED PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>2X1.5MW</p>	<p>ENGINEERING</p>

<p> BRAHMAPUTRA INFRA POWER PVT.LTD, GUWAHATI</p> <p>BORDIKORAI SHEP-(SCHEME-III),ASSAM Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>CANAL BASED PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>2X1.5MW</p>	<p>ENGINEERING</p>
<p> BRAHMAPUTRA INFRA POWER PVT.LTD, GUWAHATI</p> <p>BORDIKORAI SHEP-(SCHEME-IV),ASSAM Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>CANAL BASED PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>1X1.0MW</p>	<p>ENGINEERING</p>
<p> AGNIPA ENERGO PVT LTD, GUWAHATI</p> <p>PAHUMARA SHEP,ASSAM Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RUN-OFF RIVER PROJECT</p> <p>VERTICAL KAPLAN TURBINE</p>	<p>2X1.0MW</p>	<p>ENGINEERING</p>
<p> KHANDALERU POWER COMPANY LTD, HYDERABAD</p> <p>RAYABASAVANNA MHS, HOSPET,KARNATAKA Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RESERVOIR/CANAL BASED PROJECT</p> <p>HORIZONTAL S-TYPE TURBINE</p>	<p>1X1.4MW</p>	<p>COMMISSIONED</p>
<p> AVALON POWER PVT.LTD,KOLHAPUR</p> <p>URMODI MINI HYDEL SCHEME,MAHARASHTRA Working as an Owner's consultant for Basic and Detail Engineering up to commissioning of the plant.</p>	<p>RESERVOIR BASED PROJECT</p>	<p>1X3MW</p>	<p>ENGINEERING</p>

SYSTEM ENGINEERING

DETAILED ENGINEERING

Following Detailed Engineering Projects were executed for various OEM's and EPC Contractors:

• Vizag Steel Plant, Engineering for TG island 🖱️	13MW
• Bhilai Steel Plant, Engineering for TG island 🖱️	30MW
• Krishna Godavari, Civil and Structural Engg for Power Plant 🖱️	60MW
• Nandan Exim, Engineering for TG island 🖱️	30MW
• Navabharath Ferro Alloys, Engineering for TG island 🖱️	60MW
• Jindal South west, Engineering of Blast furnace and Sinter plant Ducting, Chimney & Bag filter design 🖱️	

PIPING ENGINEERING

EPC Solutons is providing comprehensive engineering and consultancy services for Paper Mill, Sugar Mill, Chemical Mill and Steel Industries:

• Dharani Sugars & Chemical Ltd. Villupuram 🖱️	3 MW
• Surya Chandra paper Mills Ltd. A.P 🖱️	3 MW
• Bhilai Steel Plant, Bhilai 🖱️	4 MW
• Sri Luxmi Tulasi Agro Papers Pvt. Ltd. A.P 🖱️	4 MW
• NSL Nagapattinam Power & Infratech Pvt. Ltd., Hyderabad 🖱️	7.5MW
• Sri Luxmi Tulasi Agro Papers Pvt. Ltd. A.P 🖱️	12MW

• Vizag Steel Plant, Vizag 🖱️	14 MW
• PT South pacific Viscose, Indonesia 🖱️	14 MW
• S V Sugar Mills Limited, Kancheepuram 🖱️	15 MW
• Orient Paper Mills, Amlai-shahdol-MP 🖱️	25 MW
• Bhilai Steel Plant, Bhilai 🖱️	25 MW
• Lavan Oil Refinery Co. Iran 🖱️	26 MW
• S V Sugar Mills Limited, Kancheepuram 🖱️	27.3MW
• Orient Paper Mills, Amlai-shahdol-MP 🖱️	30 MW

TECHNO ECONOMICAL FEASIBILITY REPORT (TEFR)

EPC Solutions has prepared Bankable TEFR for the following projects which are in various stages of implementation:

COAL/GAS BASED

EPC Solutions is providing comprehensive engineering and consultancy services for Paper Mill, Sugar Mill, Chemical Mill and Steel Industries:

• IVRCL, Natural Gas based Power Plant in Tamil Nadu	400MW
• IVRCL, Natural Gas based Power Plant in Andhra Pradesh	400MW
• IVRCL, Natural Gas based Power Plant in Maharashtra	400MW
• Artech Steel, Natural Gas based Power Plant in Karnataka	150MW

• Virupa Power, Coal based Power Plant in Andhra Pradesh	100MW
• Shri Girija Power, Coal based Power Plant in Andhra Pradesh	108MW
• Shri Girija Power, Coal based Power Plant in Andhra Pradesh	459MW
• BSRM, Coal based Power Plant in Bangladesh	150MW
• Tannex Power, Coal based Power Plant in Tamil Nadu	135MW
• MG Power projects, Coal based Power Plant in Nalgonda	135MW
• Vasuki Power, Biomass based Power Plant, Haveri	10MW
• Tara Power, Biomass based Power Plant, Latur	10MW
• Bhoruka Power, Biomass based Power Plant, Kikeri	6MW

MINI HYDEL

• Assam Power Project Development Company Ltd, Dronapara MHS	2 MW
• Samrudhi Hydro Energy, KRS MHS, Mandya, Karnataka	1 MW
• Khandaleru Power Company Ltd, Khandaleru MHS, Nellore	6 MW
• Soham Renewable Energy India Pvt.Ltd, Nikkiladi MHS, Mangalore	12.5MW
• Parvathavardini Power Pvt Ltd, Tunga MHS, Karnataka	3 MW
• B and S Energy Pvt.Ltd., Lokapavani MHS, Karnataka	1.5 MW
• Kishan Kanaiya Hydro Power Pvt Ltd Vododara SHEP, Gujarat	10.1 MW

• Kishan Kanaiya Hydro Power Pvt Ltd, Miyagam SHEP ,Gujarat	14.7MW
• Chhattisgarh Energy Consortium Pvt Ltd,Hyderabad,Mander SHEP-I	24.75MW
• Chhattisgarh Energy Consortium Pvt Ltd,Hyderabad,Mander SHEP-II	24.75MW
• GSSMR Energy Pvt Ltd, ,Machagundal MHS-I, Karnataka	0.5 MW
• GSSMR Energy Pvt Ltd, Machagundal MHS-II, Karnataka	1.2 MW