

List of Power Projects Executed

2017 - 2018

Prepared by
Navsar Engineering International Pte. Ltd.
Singapore | India

Singapore:

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Thermal Power Services - Snapshot:

1. Fabrication, Erection, Commissioning:
 - a. Mechanical, Electrical, Instrumentation packages
 - b. For BTG & BOP
 - c. Upto 800MW (multiple units)
 - d. Coal, Natural Gas, Diesel, Combined Cycle, WHRB etc.
2. Comprehensive Operation & Maintenance Services
 - a. Total plant O&M services
 - b. Special maintenance services – boiler tube replacement, equipment overhauls, Steam/Gas Turbine overhauling
 - c. Inspection Services, RLA studies
 - d. Energy auditing, efficiency monitoring & improvement

Other Services

1. **Solar PV (Land-based) Power Projects:**
 - a. Techno – Economic Feasibility Studies, Basic & Detailed Engineering
 - b. Project Management Consultancy Services
 - c. Erection & Commissioning of Mechanical, Civil, Electrical packages
 - d. Operation & Maintenance
 - e. Power Purchase / Trading assistance
2. **Facility Management Services – Hard Services**
 - a. Preventive & Planned Maintenance, 24 x 7, 365 days
 - b. Mechanical, Electrical, Plumbing, HVAC Maintenance
 - c. Erection, Installation, Commissioning, Overhauling of new equipment such as DG, Chiller Plants, ETP/STP etc.
 - d. For:
 - i. Large buildings/commercial complexes
 - ii. Manufacturing Facilities
 - iii. Vehicle Depots
 - iv. Etc.

Navsar

Surge Ahead

Partial Clientele:



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Overseas Projects

S. No	Project Name	Year	Client	Description / Services Provided
1.	Zubair 740 MW Gas Fired Power Project, Iraq	2017	GE Middle East FZE	Erection & Commissioning assistance: Civil, Documentation, Material Handling
2.	CEGCO, Aqaba, Jordan	2016	GE Power Services, MENA	Boiler/Turbine Inspection services – 300MW Thermal Power Station
3.	KCE Power Project, Khoakanun, Thailand	2016	Jurong Engineering Limited, Singapore	Electrical & BOP Commissioning
4.	728MW Gas-Fired Al Mansurya Power Project, Iraq	2016 - Ongoing	Alstom Power Systems/GE, UAE	C&I, Start-up commissioning, Desk Operations
5.	100MW Diesel + HRSG Combined Cycle plant – Tobene, Senegal	2016	MAN Diesel & Turbo, Germany	Commissioning of DG, HRSG, Turbine
6.	300MW Coal Fired Power Plant – Vietnam	2015	Jurong Engineering Limited, Singapore	Execution of Insulation & Refractory works (Engineering and Supervision)
7.	2175MW Combined Cycle Plant – PP12, Riyadh, KSA	2015	Alstom Power Systems Jeddah	Commissioning of HRSG, Turbine.
8.	120MW Combined Cycle Power Plant, Thailand	2015	Jurong Engineering Limited, Singapore	Commissioning of HRSG, STG and auxiliaries
9.	1. Atlas Power, Pakistan 2. HUBCO Power, Pakistan 3. EDF Project, La Reunion 4. Thika Power Project, Kenya	2009 ~ 2013	MAN Diesel & Turbo, Germany	Commissioning Management for DG + HRSG units (upto 220MW), O&M Manual Preparation, O&M training
10.	Namjeju 100MW, Korea	2006	Honeywell	Commissioning Management
11.	Teluk Salat Power Station, Malaysia	2007	Ranhill Berhard Sdn. Bhd.	Erection Management & Complete Plant Commissioning: 1. HRSG Commissioning Engineers 2. Electrical Commissioning Engineers

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Mechanical

Erection				
S. No	Project Name	Year	Client	Description / Services Provided
1	768MW Combined Cycle Power Plant, Andhra Pradesh	2015	GMR	Erection Specialist Services – Piping systems (HRSG)
2	ESSAR Hypermart, Oragadam	2015	ESSAR Steels	Fabrication of BOP / CHP structures
3	Kudgi 3 x800MW STPP, Karnataka	2015	EDAC Ltd.	Erection of ID fan, Coal Feeder packages
4	NCTPS Phase – 2 – 2 x 600MW, Chennai	2015	EDAC Ltd.	GRP Piping erection
5	Coastal Energen – 2 x 600MW, Tuticorin, Tamil Nadu	2015	EDAC Ltd.	Erection of LP piping & Coal Line piping package
6	LARA Superthermal Power Project – 2 x 800MW, Raigarh	2015	EDAC Ltd.	Erection of Air Compressor Package
7	LARA Superthermal Power Project – 2 x 800MW, Raigarh	2015	EDAC Ltd.	Erection of Aux Boiler Package
8	NCTPS Phase – 2 – 2 x 600MW, Chennai	2014	EDAC Ltd.	ESP Ducting, and Boiler Completion works
9	JNSTPP, Nigree, MP – 2 x 660MW	2013	L&T	Erection Specialist Services - Piping (Turbine)
10	12 MW Coal Fired Power Plant	2011	EICS Power Services Ltd.	Erection Specialist Services – Boiler (AFBC & WHRB)
11	Bokaro Power Supply Co.	2006	Alstom	Erection & Commissioning Supervision
12	Hazira Power Station	2006	Alstom Boilers	Consulting for installation of Fire & Safety (EHS), Insulation & allied systems

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13	GVK Phase 1	2006	Alstom Projects	Erection Supervision (HRSG Piping)
14	RPD R&M, Renusagar (multiple units)	2005	Alstom Projects	Site Management (Erection & Commissioning)
15	GNDTP, Bathinda 4 x 110 MW	2005	Alstom Projects	Erection Supervisor (Specialist) Services (Pressure parts)
16	JSW Energy Captive Power Project – Bellary 100MW	2005	Alstom Projects	Erection Supervisor (Specialist) Services for Boiler

Commissioning

1	270MW, Reliance Industries, Dahej, Bharuch, Gujarat	2016	Thermax Limited	Supply of Commissioning Engineers – Boiler Island
2	Ambuja Cements Limited, Himachal Pradesh	2016	Oak Energy India Pvt. Ltd.	Supply of Commissioning Engineer – Ball Race Mill
3	2 x 660MW NTPC Solapur, Maharashtra	2016	Alstom Bharat Forge	Supply of Commissioning Engineers – Turbine Island
4	3x660 MW TPS MAHAGENCO Expansion Project, Koradi	2014	L&T	Supply of Commissioning Engineers – Turbine Island
5	JNSTPP, Nigree, MP – 2 x 660MW	2013	L&T	Supply of Commissioning Engineer – Water treatment
6	APPDCL, Krishnapattnam – 2 x 800MW	2013	L&T	Supply of Commissioning Engineers – Turbine & water treatment
7	Padmavathi Ferrous Ltd. – 12MW Captive	2013	Akshara Engineers, Bilaspur	Total Plant Re-commissioning/Startup.
8	Vandana Ispat Ltd. – 2 x 135MW	2012	Cethar Vessel Ltd.	Supply of Commissioning Engineers for Boiler island & Turbine island.
9	Rourkela Steel Plant – 42.5 MW	2012	Thermax	Specialist Services for commissioning of Captive Cogeneration Power Project – Boiler & Turbine

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10	ONGC - Mangalore Refineries 72MW	2012	Thermax	Specialist Services for commissioning of Captive Cogeneration Power Project – Boiler
11	2 X 135 MW Coal Fired Power Project	2011	Cethar Energy Ltd.	Supply of Commissioning Engineers for Commissioning of Boiler island & Turbine island.
12	IMFA 30MW Coal-fired Captive Power Project	2010	Tecpro Systems Ltd.	Total Power Station commissioning (excluding Turbine Island)
13	GVK Phase 2 469MW Power Project	2009	Alstom Projects	Specialist Services for HRSG & BOP Commissioning
14	GVK Phase 1 228MW Combined Cycle	2007	Alstom Projects	Specialist Services: 1. Chief of Commissioning: Process 2. Mechanical (HRSG) Engineer
15	GNDTP, Bathinda 4 x 110 MW	2006	Alstom Projects	Supply of Complete Commissioning Team for: 1. Boiler Island 2. ESP Commissioning
16	JSW Energy Captive Power Project – Bellary 100MW	2005	Alstom Projects	Supply of Specialist Services for Mechanical – Boiler Commissioning

Electrical, Control & Instrumentation

Erection & Commissioning				
S. No	Project Name	Year	Client	Description / Services Provided
1	BARC – Desalination Project, Mumbai	2014	GB Enterprise	Supply of Commissioning Engineers – Electrical & C&I Package
2	APPDCL, Krishnapattnam – 2 x 800MW	2013	L&T	Supply of C&I Commissioning Engineers – Turbine Island
3	Bokaro Power Supply Corporation Ltd. – 30MW	2013	Alstom India Ltd.	Supply of C&I Testing & Commissioning Engineers
4	GSECL Utran: 360MW Power Project	2009	Alstom Projects	Supply of C&I Commissioning Engineers

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5	GVK Phase 1 228MW Combined Cycle	2007	Alstom Projects	Specialist Services: 1. Chief of C&I Commissioning 2. C&I Commissioning Engineers
6	GNDTP, Bathinda 4 x 110 MW	2006	Alstom Projects	Supply of Complete Commissioning Team for Electrical/Process/Instrumentation Engineers
7	JSW Energy Captive Power Project – Bellary 100MW	2005	Alstom Projects	Complete Performance Guarantee Tests
8	JSW Energy Captive Power Project – Bellary 100MW	2005	Alstom Projects	Supply of Commissioning Engineers for Electrical, Instrumentation packages

Operation & Maintenance

S. No	Project Name	Year	Client	Description / Services Provided
1	3 x 800MW NTPC Kudgi TPS, Bijapur, Karnataka	2016	Toshiba JSW	24x7 Turbine DCS & Field Operations during commissioning
2	3x660 MW TPS MAHAGENCO Expansion Project, Koradi	2014	L&T	24x7 DCS & Field Operations during commissioning & warranty period
3	HCL Agro Power Ltd. – 6MW, Andhra Pradesh	2013	HCL Agro Pvt. Ltd. (SRM Group)	Total Power Station Operation & maintenance services
4	JNSTPP, Nigree, MP – 2 x 660MW	2013	L&T	Operations services – BOP / Water Treatment
5	APPDCL, Krishnapattnam – 2 x 800MW	2013	L&T	24x7 DCS & Field Operations during commissioning & warranty period
6	Padmavathi Ferrous Ltd. – 12MW Captive	2013	Akshara Engineers, Bilaspur	Total Power Station Operation & maintenance services

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7	12 MW Coal Fired Power Plant	2011	EICS Power Services Ltd.	1. Operation & maintenance services – RO/DM Plant 2. General Maintenance (Mechanical, Electrical)
8	2 X 15 MW Coal Fired Power Plant	2011	EICS Power Services Ltd.	Total Power Station Operation & maintenance services
9	2 X 15 MW Coal Fired Power Project	2011	EICS Power Services Ltd.	24x7 DCS Operations during commissioning & warranty period
10	2 X 135 MW Coal Fired Power Project	2011	Cethar Energy Ltd.	24x7 DCS Operations during commissioning & warranty period
11	IMFA 30MW Coal-fired Captive Power Project	2010	Tecpro Systems Ltd.	24x7 DCS Operations during commissioning & warranty period
12	GSECL Utran: 360MW Power Project	2009	Alstom Projects	24x7 DCS Operations during commissioning & warranty period
13	GVK Phase 2 469MW Power Project	2009	Alstom Projects	24x7 DCS Operations during commissioning & warranty period (HRSG only)
14	Shriram EPC / OGPL 8MW Biomass Plant	2008-09	Orient Green Power	Total Power Station Operation & maintenance
15	GVK Phase 1 228MW Combined Cycle	2007	Alstom Projects	24x7 DCS Operations during commissioning & warranty period (HRSG only)
16	GMR Vemagiri	2006	L&T / Alstom	Consulting for Plant Handover & O&M Training
17	GMDC Akrimota 2 x 125MW	2006	Alstom Projects	Complete DCS Operations

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Other Services

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1	6MW & 11MW Captive Power Plants - Tamil Nadu	2015	TESCO Energy Ltd.	Asset assessment consultancy for acquisition by client.
3	IMFA 30MW Coal-fired Captive Power Project	2010	M. N. Dastur & Co. Ltd.	Consulting for Commissioning Activities: Supplied commissioning consultant for owner engineer field services during commissioning stage
4	10MW Biomass Power Project, Tuticorin	2010	RSG Energy Private Ltd.	Preparation of Detailed Project Report
5	6MW RDF fired biomass Power Plant, Hyderabad	2010	Beecon Advisors	Techno-Economic Feasibility Studies for a 6MW RDF/MSW fired Biomass Power Plant (Idle/sick unit)
6	Hazira Power Station	2006	Alstom Boilers	Consulting for installation of Fire & Safety (EHS), Insulation & allied systems
7	GMDC Akrimota: 2 x 125MW	2006	Alstom Projects	Chemical Analysis (Fuel)

Solar

S. No	Project Name	Year	Client	Description / Services Provided
1	25MW – Solar PV Power Plant, Telangana	2017	Adani Green Energy	1. Erection of Mechanical Structures and module mounting activities
2	125MW – Solar PV Power Plant, Karnataka	2017	Belectric Photovoltaic India Pvt. Ltd.	1. Erection of Mechanical Structures & Civil works of 24MW (out of 125MW) Solar PV power project 2. Civil Foundation works for Inverter Room
3	4.4MW – Solar PV Power Plant, Karnataka	2016	Enerparc Energy India Ltd.	1. Erection of Mechanical Structures & Civil works of 4.4MW Solar PV power project 2. Supply, Installation & Commissioning of AC/DC Electrical Package
4	26MW Solar PV Power Plant, Punjab	2016	Enerparc Energy India Ltd.	Erection of Mechanical Structures, Actuator Foundation works for 9MW (out of 26MW) Solar PV power project
5	1.14MW Solar PV Power Plant, Tamil Nadu	2016	Mahindra Susten	Erection of Mechanical Structures of 1.14MW Solar PV power project

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6	648MW Solar PV Power Plant, Ramnad, Tamil Nadu	2015	Adani Power	Erection of Civil, Mechanical Structures of 648MW Solar PV power project
7	5MW Solar PV Power Project	2011	Tesco Energy	Owner Engineer Consultant for 5MW Solar (Photovoltaic) Power Project
8	3KW Roof Top Off-Grid Solar PV System	2013	iPlon Systems	Design, Engineering, Supply, Installation & Commissioning.

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