

CAPTIVE AND CO-GENERATION POWER PLANTS SPB-PC's Selected References

S No	Assignment	Client	Country	Completion
01	Installation of 1 x 18 MW and 1 x 8 MW Turbo Generator Sets along with 3 x 60 tph ignifluid boilers – Phase I	Tamil Nadu Newsprint and Papers Ltd	India	1984
02	Identification and selection of 40 tph second-hand boiler and 4 MW turbo generator and total responsibility for dismantling, transportation, erection and commissioning, including engineering services for utilities	Seshasayee Paper and Boards Ltd	India	1990
03	Installation of a 3 MW co-generation system along with one boiler	Ponni Sugars and Chemicals Ltd - Erode Unit	India	1992
04	Installation of two 3 MW co-generation system along with one 70 tph boiler	Ponni Sugars and Chemicals Ltd - Balangir Unit	India	1992
05	Preparation of techno-economic feasibility report for installation of a co-generation plant consisting of 1 x 14.5 MW TG set and 3 x 50 tph coal fired boilers	Star Paper Mills Ltd	India	1995
06	Preparation of techno-economic feasibility report for installation of 3 x 80 tph multifuel power boilers and 2 x 18.5 MW TG sets	SPB Energy Corporation Ltd	India	1995
07	Installation of 1 x 10.5 MW TG Set along with 1 x 60 tph AFBC boiler for the expansion of the mill hooking up the existing system – Phase II	Tamil Nadu Newsprint and Papers Ltd	India	1996
08	Installation of 1 x 175 tph CFBC boiler and 1 x 30 MW double extraction-cum-condensing type TG Set	Sinar Mas Pulp and Paper India Ltd	India	1996
09	Bid preparation for the turnkey supply of a 150 MW CCGT Power plant	Hyundai Engineering Construction	Korea	1997
10	Bid preparation for the turnkey supply of a 180 MW Kelantissa Power plant	Hyundai Engineering Construction	Korea	1997
11	Inspection of second-hand boiler and turbo generator set at Belgium and Germany	Seshasayee Paper and Boards Limited	India	1997
12	Provision of consultancy services for implementation of co-generation power plant consisting of one 80 tph bagasse/ lignite fired boiler along with one 4.5 MW turbo generator set and 15 MW turbo generator set	Tamil Nadu Sugar Corp Ltd (TASCO)	India	1998
13	Creation of a 3-D model of boiler structures for Haldia Project (2 x 120 tph boilers) using Intergraph PDS	Mitsui Babcock Energy India Pvt Ltd	India	1998

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14	Parallel operation of 12 MW and 5.5 MW Turbo Generator set integrating with pressure reducing station	J K Corp Limited	India	1998
15	Analysis of catastrophe failure of the turbine, at one of their Co-operative Sugar Mills	Tamil Nadu Sugar Corp Limited	India	1998
16	Conceptualisation of conversion of stoker fired boiler to fluidised bed combustion system	Seshasayee Paper and Boards Limited	India	1998
17	Installation of one 50 tph AFBC boiler along with one 9.4 MW double extraction and condensing type turbo generator set and one 2.5 MW back pressure turbo generator set for hooking up to existing system	Varinder Agro Chemicals Ltd	India	1999
18	Evaluation of technical features of Bark fired boiler offered by vendors	Panafrican Paper Mills Limited	Kenya	1999
19	Energy Audit	Emami Paper Mills Ltd	India	1999
20	Inspection of power plant for assessing balance of plant required for completion of plant	TK Chemical Complex Ltd	Bangladesh	2000
21	Review of various combustion systems and selection of combustion system for firing solid fuels namely, coal, lignite, Australian/China coal.	Tamil Nadu Newsprint and Papers Limited	India	2000
22	Energy Audit	Orient Paper Mills	India	2001
23	Installation of 1 x 24.62 MW TG set along with 1 x 90 tph AFBC boiler for the new Co-Generation plant.	Tamil Nadu Newsprint and Papers Limited	India	2001
24	Installation of 1 x 6 MW TG set along with 1 x 35 tph AFBC boiler for the new Co-Generation plant	Emami Paper Mills Limited	India	2001
25	Techno-economic feasibility study for installation of a new turbo-alternator (TG #4)	ITC Bhadrachalam Paper Boards Limited	India	2001
26	Engineering/consultancy services for installation of 2 x 18 MW TG Set along with 2 x 80 tph Boiler for captive power generation	Shree Cements Ltd	India	2003
27	Techno-economic feasibility report for installation of a 20 MW captive power plant	Seshasayee Paper and Boards Limited	India	2003
28	Technical audit report of the 2 x 18 MW captive power plant	Shree Power (a Unit of Shree Cement Limited)	India	2003
29	Techno-economic feasibility report for installation of a 6 MW Power Plant at Shree Power (for RAS Cement operation)	Shree Cement Ltd	India	2004

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30	Design, engineering and project management services for installation of a 20 MW Captive Power Plant	Seshasayee Paper and Boards Limited	India	2005
31	Design and engineering services, including civil, mechanical, electrical and instrumentation along with piping, for installation of a 6 MW TG Captive Power Plant	Shree Cement Ltd	India	2005
32	Techno-economic feasibility report for installation of 2 x 18 MW Captive Power Plant at Shree Power, Bangur Cement Plant, RAS	Shree Cement Ltd	India	2005
33	Engineering/consultancy services for installation of 4 MW Captive Power Plant	Industrial Organics Ltd	India	2007
34	Engineering/consultancy services for installation of 20 MW TG set	Tamil Nadu Newsprint and Papers Ltd	India	2007
35	Engineering/consultancy services for installation of 1 x 18 MW TG set along with 1 x 85 tph boiler for captive power generation at Ras	Shree Cement Ltd	India	2007
36	Engineering/consultancy services for installation of 2 x 18 MW captive thermal power plant at RAS	Shree Cement Ltd	India	2007
37	Engineering/consultancy services for installation of a 34 MW TG Set	The Andhra Pradesh Paper Mills Ltd	India	2007
38	Engineering/consultancy services for installation of 2 x 20 MW Captive Power Plant	Abhishek Industries Ltd	India	2008
39	Engineering/consultancy services for installation of 1 x 15 MW captive co-generation power plant	Emami Paper Mills Ltd	India	2008
40	Engineering/consultancy services for installation of waste heat recovery boiler at Beawar	Shree Cement Ltd	India	2008
41	Engineering/consultancy services for installation of 1 x 16 MW extraction and back pressure TG set at Erode	Seshasayee Paper & Boards	India	2008
42	Engineering/consultancy services for installation of 1 x 175 tph CFBC boiler and 1 x 30 MW TG set	BILT Power Ltd Unit : Bhigwan	India	2008
43	Engineering/consultancy services for installation of 18 MW TG Set (RAS)	Shree Cement Ltd	India	2008
44	Engineering/consultancy services for installation of 125 tph coal fired boiler and 34.5 MW TG set	The West Coast Paper Mills Ltd	India	2008

S No	Assignment	Client	Country	Completion
45	Engineering/consultancy services for installation of 80 tph AFBC boiler and 15 MW extraction condensing TG set	Servalakshmi Paper Pvt Ltd	India	2009
46	Engineering/consultancy services for installation of 160 tph CFBC boiler and 40 MW extraction condensing TG set	BILT Power Ltd Unit : Ballarshah	India	2009
47	Project consultancy and engineering services for installation of a bio-fuel fired boiler	MAHY Khoory & Co	Dubai	2010
48	Techno-economic feasibility report for installation of a co-generation power plant	Emami Bio-Tech Ltd	India	2011
49	Techno-economic feasibility report for establishment of a 19 MW co-generation plant	Ponni Sugars (Erode) Ltd	India	2011
50	Engineering/consultancy services for installation of 75 tph AFBC boiler and 1 x 22.5 MW double extraction condensing TG set	Sabah Forest Industries (BILT)	Malaysia	2012
51	Engineering/consultancy services for installation of a 19 MW co-generation plant at Erode	Ponni Sugars (Erode) Ltd	India	2012
52	Engineering/consultancy services for installation of 2 x 125 tph boilers (1 AFBC & 1 CFBC) and 1 x 40 MW double extraction condensing TG set for revamping of power and steam	Tamil Nadu Newsprint and Papers Ltd Unit I : Kagithapuram	India	2013
53	Engineering/consultancy services for installation of a 12 MW thermal power plant at Unit : Tribeni, West Bengal	ITC Limited Unit : Tribeni	India	2014
54	Engineering/consultancy services for installation of captive co-generation power plant with 2 x 90 tph multi-fuel boilers and a 30 MW air-cooled turbo generator	Tamil Nadu Newsprint and Papers Ltd Unit II : Mondipatti	India	2014
55	Engineering/consultancy services for installation of captive co-generation power plant with 10.5 MW turbo generator and 80 tph multi-fuel boiler	Emami Paper Mills Ltd	India	2015
56	Project consultancy and engineering services for installation of a new 33.5 MW Captive Power Plant at Unit : Bhadrachalam with 220 tph CFBC Power Boiler	ITC Ltd – Paperboards and Specialty Papers Division	India	2017
57	Engineering/consultancy services for installation of captive co-generation power plant with 7.5 MW turbo generator and 2 x 40 tph multi-fuel boilers	Emami Agrotech Ltd	India	2017

S No	Assignment	Client	Country	Completion
58	Project consultancy and engineering services for installation of a 3 MW Turbo Generator at Union Paper Mills Ltd	MAHY Khoory & Co	Dubai	2018
59	Project consultancy and engineering services for installation of captive co-generation power plant with 135 tph boiler and reinstallation of 40 MW and 14 MW turbo generators	VNT19 Pulp - Paper Joint Stock Company	Vietnam	Engineering Completed Start-up awaited
60	Engineering/consultancy services for installation of captive co-generation power plant with 2 x 90 tph multi-fuel boilers and 30 MW turbo generator	Tamil Nadu Newsprint and Papers Ltd Unit II : Mondipatti	India	2018
61	Engineering/Consultancy Services for installation of Captive co-generation power plant with 1 x 165 tph multi-fuel boiler and a 18 MW and 28 MW Turbo Generator	JK Paper Ltd Unit: Central Pulp Mills Songadh, Gujarat	India	2021
62	Engineering/Consultancy Services for installation of Captive Co-generation Power plant with 1 x 130 tph multi-fuel boiler and a 20 MW Turbo Generator	JK Paper Ltd Unit: Sirpur Paper Mills Telangana	India	2021
63	Project Consultancy and Engineering Services for installation of new 20 MW Captive co-generation Power Plant with Chemical Recovery Boiler	Tamil Nadu Newsprint and Papers Ltd Unit II: Mondipatti	India	Ongoing
64	Project consultancy and engineering services for installation of a new 65 MW Captive Power Plant with High Pressure Recovery Boiler at Unit : Bhadrachalam	ITC Limited Paperboards and Speciality Papers Division	India	Ongoing