



INDO-GERMAN ENERGY FORUM

Flexible Thermal Power Plants: A Case Study

**Report No. 1: Flexibility Assessment for
the NTPC plants Dadri and Simhadri**
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List of Abbreviations

ACV	Cold re-heat as steam source for auxiliary steam
ATRS	Automatic Turbine Run-up System
BFP	Boiler Feed Pumps
BMCR	Boiler Maximum Continuous Rating
DCS	Distributed Control System
DENOX	Flue Gas Denitrification
ECO	Economizer
EFOR	Equipment Forced Outage Rate
ESP	Electrostatic Precipitator
FD fan	Forced Draft fan
FEM	Finite Element Method
FGD	Flue Gas Desulfurization
HFO	Heavy Fuel Oil
HP	High Pressure
HPBP	High Pressure Bypass
HPCV	High Pressure Control Valve
ID fan	Induced Draft fan
KISSY	Kraftwerks-InformationSSystem = Power Plant Information System
KKS	Kraftwerks-Kennzeichnungssystem = Power Plant Labeling System
LFO	Light Fuel Oil
LP	Low Pressure
LPM	Liter Per Minute



MCR	Maximum Continuous Rating
O&M	Operation and Maintenance
OEM	Original Equipment Manufacturer
PA	Primary Air
PADO	Performance Analysis, Diagnostics and Optimization
PC	Pulverized Coal
RAPH	Regenerative Air Pre-Heater
PI control	Proportional Integral control
PM	Particulate Matter
PPM	Parts Per Million
PM	Particulate Matter
RH	Re-Heater
SCADA	Supervisory Control and Data Acquisition
SH	Super-Heater
SCAPH	Steam Coil Air Pre-Heater
T _M , T _i	Temperature of the middle of the wall and of the inner wall surface

Abbreviations referring to companies and institutions as well as common measurements units (e.g. MW, min) are not included in this list.

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