

Maitree Super Thermal Power Project, Rampal.
(BIFPCL: 50:50 JV Company of NTPC Ltd. & BPDB)

Date: 02.08.2019

Project Synopsis

Project	Maitree Super Thermal Power Project				
Capacity	1320 MW (2 x 660 MW)				
Location	Upazila: Rampal; District: Bagerhat; Division: Khulna, Bangladesh The site is located about 23 km southward of Khulna City and 14 km north of Mongla Port				
Nearest Railhead / Airport	36 km from Khulna Junction Railway Station 105 km from Jessore Airport 12 kms from proposed Khan Jahan Ali Airport.				
Investment Appr.	Accorded on 02.12.2016				
Approved Cost	BDT 16000 Crores (approved by BIFPCL Board)				
Cum Expenditure	BDT 5186 Crores (up to Jun'19)				
Beneficiaries	PPA signed on 20.04.2013 with BPDB. 100% Power to BPDB of Bangladesh				
Land Requirement	915.5 acres of land available for the project. (Main Plant: 355; Ash Dyke:43; Township:50;Labour colony:45; others:422.5) - Land Lease Agreement signed with BPDB on 27.11.2017 for long term lease of 35 years				
EIA Study	EIA report approved by DOE (Dept of Environment), Bangladesh on 05.08.2013.				
Fuel Source	Usage of high GCV, low sulphur, low ash Imported Coal envisaged for the project.				
Water Source	- Cooling water requirement shall be met through saline water drawn from Possur River (make up water - 9150 m³/hr). - Sweet water required for meeting the potable water, plant service water, cycle makeup (DM water), etc, shall be produced using Desalination Plant.				
Commissioning Schedule	Unit No.	Reliability Test Run		PAC	
		Sch.	Act./Ant.	Sch.	Act./Ant.
	Unit #1	Jan '21	Jan '21	Feb '21	Feb '21
	Unit #2	Jul '21	Jul '21	Aug '21	Aug '21
Financing of Project EPC Turnkey Package	- Financing of Project EPC (Turnkey) Package through Indian EXIM Bank. - Debt : Equity ratio of 80:20 envisaged				
Power Evacuation System (ATS)	- Construction Power: 2 x 33 KV line from Mongla S/Station to Plant available. - Start-up Power: 230 KV Start up power Double Circuit line from Khulna to Project Switchyard being developed by PGCB, GoB. Can be utilised for evacuation of power from Unit #1. - Power Evacuation: Generation Step up voltage is 400 KV. 400 KV Double Circuit Line envisaged from Project switchyard to Aminbazar, Dhaka is being developed by PGCB.				
Project Status	- Boiler #1 Erection started as per schedule in Jun'18 - Boiler #2 Erection started as per schedule in Dec'18 - Boiler #1 Ceiling Girder erection completed on 30.07.19 - Chimney Raft concreting completed on 25.07.19 - TG Deck#1 completed on 11.07.19 - TG raft #2 completed on 12.07.19 - ESP#1 Erection commenced in Sept'18 - ESP#2 Erection commenced in Jun'19				

BIFPCL
MAITREE SUPER THERMAL POWER PROJECT (2 x 660 MW)
IMPLEMENTATION SCHEDULE

NOA to BHEL	: 31/01/2016
Contract Agreement Signing	: 12/07/2016
Investment approval	: 02/12/2016
PPA	: 20/04/2013
Financial Closure	: 09/04/2017
Notice To Proceed (NTP) to BHEL	: 24/04/2017 – Zero Date of Project

MILESTONES	Unit # 1			Unit # 2		
	Schedule	Months from NTP	Actual	Schedule	Months from NTP	Actual
NTP	April' 2017	0	April' 2017	-	-	-
START SITE MOBILISATION	May' 2017	1	May'2017	-	-	-
START BOILER ERECTION	June' 2018	14	Jun'2018	Dec '2018	20	Dec'18
START STEAM TURBINE GENERATOR (STG) ERECTION	April' 2019	24		Oct '2019	30	
BOILER HYDRO TEST	July' 2019	27		Jan '2020	33	
FIRST FIRE (BLU)	April' 2020	36		Oct '2020	42	
COMPLETION OF STEAM BLOWING	July' 2020	39		Jan '2021	45	
FIRST SYNCHRONISATION	September' 2020	41		Mar '2021	47	
RELIABILITY TEST RUN	January' 2021	45		Jul '2021	51	
PROVISIONAL ACCEPTANCE CERTIFICATE	February' 2021	46		Aug '2021	52	

⊙ Phase shift between Units is 6 months