

From: NTPC Barh/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date:12/02/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	ST# I: 2*660 MW
		ST# II: 2*660 MW
b)	Total Installed Capacity (MW)	2640(1320 + 1320) MW
c)	Maximum Possible Ex-Bus injection (MW)	ST#I: 1237.5 MW
	(including overload, if any)	ST# II: 1237.5MW
d)	Technical Minimum (MW)	ST#I: 680.63 MW
		ST# II: 680.63MW
e)	Type of Fuel	Coal -Bituminous/Sub Bituminous
f)	Region	Eastern Region
g)	Bid Area	
h)	Fixed Cost (paise/KWh up to one decimal	St-I: 241.7 Paise/Kwh
	place)	St-II: 183.5 Paise/Kwh
i)	Variable Cost (paise/Kwh up to one decimal	St-I: 318.5 Paise/Kwh
	place)	St-II: 315.9 Paise/Kwh
j)	Ramp-Up Rate (MW/Min) for each unit	St-I/II: 6.19 / 6.19 MW/Min
k)	Ramp-Down Rate (MW/Min)for each unit	St-I/II: 6.19 / 6.19 MW/Min
1)	Start-Up time from Cold Start(in Min) and	Cold: 2100 Mins
	Warm Start (in Min)for each unit	Warm: 900 Mins
m)	Any other information	

Signed by: Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ के॰-। सु॰/NTPC ER-। HQ



From: FSTPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 16/02/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	ST # I& II: 3*200+2*500 MW
,		ST# III: 1*500 MW
b)	Total Installed Capacity (MW)	ST # I& II: 1600 MW
		ST# III: 500 MW
c)	Maximum Possible Ex-Bus injection (MW)	ST #I&II:1557.0 MW
	(including overload, if any)	ST# III: 494.0 MW
d)	Technical Minimum (MW)	ST # I&II: 820.3 MW
,		ST# III: 257.8 MW
e)	Type of Fuel	Coal –Bituminous/Sub-Bituminous
f)	Region	Eastern Region
g)	Bid Area	
h)	Fixed Cost (paise/KWh up to one decimal	ST#I& II: 76.8 Paise/KWh
	place)	ST# III: 148.7 Paise/KWh
i)	Variable Cost (paise/Kwh up to one	ST# I & II: 327.5 Paise/KWh
	decimal place)	ST# III: 305.2 Paise/KWh
j)	Ramp-Up Rate (MW/Min) for each unit	For 200 MW Stage I: 1.83MW/Unit/Min
		For 500 MW Stage II: 4.71MW/Unit/Min
		For 500 MW Stage III: 4.69 MW/Unit/Min
		For commercial stage I: 14.92 MW/ min
k)	Ramp-Down Rate (MW/Min) for each unit	-do-
1)	Start-Up time from Cold Start(in Min) and	ST#I, II &III: Cold: 360 Minutes
	Warm Start (in Min)for each unit	ST#I, II & III: Warm: 240 Minutes
m)	Any other information	840 Minutes in case of unit shutdown period
		is more than 5 days as boiler will be kept
		under preservation.

Signed by: Name: Rahul Anand

Designation: DGM (OS) राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ क्षे॰-I मु॰/NTPC ER-I HQ पटना/PATNA



From: KhSTPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	4X210 MW + 3X500 MW
b)	Total Installed Capacity (MW)	ST# I: 840 MW ST# II: 1500 MW
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	2237MW (803+1434)MW
d)	Technical Minimum (MW)	1194 MW(421 +773)MW
e)	Type of Fuel	Coal-Bituminous/Sub Bituminous
f)	Region	Eastern Region
g)	Bid Area	
h)	Fixed Cost (paise/KWh up to one decimal place)	ST#I: 104.5 Paise/KWh ST# II: 92.3 Paise/KWh
i)	Variable Cost (paise/Kwh up to one decimal place)	ST# I: 285.1 Paise/KWh ST# II: 270.4 Paise/KWh
j)	Ramp-Up Rate (MW/Min) for each unit	Stage I- 28.7 MW/15 min Block/Unit Stage II- 70.3MW/15min Block/Unit
k)	Ramp-Down Rate (MW/Min)for each unit	-do-
1)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Stage I- 360/240 Min Stage II- 360/240 Min
m)	Any other information	840 Minutes in case of unit shutdown period is more than 5 days as boiler will be kept under preservation

Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाग्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पृ० क्षे॰-I मु०/NTPC ER-I HQ पटना/PATNA



From: TSTPP-I/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	2*500 MW
b)	Total Installed Capacity (MW)	1000MW
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	945 MW
d)	Technical Minimum (MW)	511.23 MW
e)	Type of Fuel	Coal Bituminous/Sub Bituminous (Start-Up with HFO/LDO)
f)	Region	Eastern Region
g)	Bid Area	
h)	Fixed Cost (paise/KWh up to one decimal place)	95.6 Paise/Kwh
i)	Variable Cost (paise/Kwh up to one decimal place)	144.7 Paise/Kwh
j)	Ramp-Up Rate (MW/Min) for each unit	4.65 MW/Min
k)	Ramp-Down Rate (MW/Min)for each unit	4.65 MW/Min
1)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 360 Mins Warm: 240 Mins 840 Mins if recalled after more than 5 days
m)	Any other information	-

Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनक्षेपीसी पृ॰ क्षे॰-। नु॰/NTPC ER-। HQ पटना/PATNA



From: Darlipali STPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data	
a)	Number of Generating Units	2x800MW	
b)	Total Installed Capacity (MW)	1600 MW	
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	1575MW	
d)	Technical Minimum (MW)	825	
e)	Type of Fuel	Primary :Coal Bituminous/ Sub Bituminous, Secondary: LDO	
f)	Region	Eastern Region	
g)	Bid Area		
h)	Fixed Cost (paise/KWh up to one decimal place)	165.7	
i)	Variable Cost (paise/Kwh up to one decimal place)	128.2	
j)	Ramp-Up Rate (MW/Min) for each unit	7.5 MW/Min	
k)	Ramp-Down Rate (MW/Min)for each unit	7.5 MW/Min	
1)	Start-Up time from Cold Start(in Min) and Warm Start (in Min) for each unit	Cold: 2220 Min Warm: 1500 Min	
m)	Any other information	Nil	

Signed by: Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand वप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ क्षे॰-1 मु॰/NTPC ER-I RO पटना/PATNA



From: MTPS II STPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data	
a)	Number of Generating Units	2x195MW	
b)	Total Installed Capacity (MW)	390 MW	
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	372.645 MW	
d)	Technical Minimum (MW)	195.195	
e)	Type of Fuel	Primary :Coal Bituminous/ Sub Bituminous, Secondary: LDO	
f)	Region	Eastern Region	
g)	Bid Area		
h)	Fixed Cost (paise/KWh up to one decimal place)	253.7	
i)	Variable Cost (paise/Kwh up to one decimal place)	281.5	
j)	Ramp-Up Rate (MW/Min) for each unit	1.77 MW/Min	
k)	Ramp-Down Rate (MW/Min) for each unit	1.77 MW/Min	
1)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 360 Min Warm: 240 Min 840 Minutes in case of unit shutdown period is more than 5 days	
m)	Any other information	Nil	

Signed by: Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ क्षे॰-ा मु॰/NTPC ER-I HQ पटना/PATNA



From: NPGC/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data	
a)	Number of Generating Units	3x660MW	
b)	Total Installed Capacity (MW)	1980 MW	
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	1856.25 MW	
d)	Technical Minimum (MW)	1020.94	
e)	Type of Fuel	Primary :Coal Bituminous/ Sub Bituminous, Secondary: LDO	
f)	Region	Eastern Region	
g)	Bid Area		
h)	Fixed Cost (paise/KWh up to one decimal place)	216.8	
i)	Variable Cost (paise/Kwh up to one decimal place)	328.7	
j)	Ramp-Up Rate (MW/Min) for each unit	6.19 MW/Min	
k)	Ramp-Down Rate (MW/Min)for each unit	6.19 MW/Min	
1)	Start-Up time from Cold Start(in Min) and	Cold: 2100 Min	
	Warm Start (in Min)for each unit	Warm: 900 Min	
m)	Any other information	Nil	

Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ क्षे॰-I मु॰/NTPC ER-I HQ भटना/PATNA



From: NKSTPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/02/2024 to 15/03/2024

Date: 12/02/2024

S. No	Title/Parameters	Values/Data	
a)	Number of Generating Units	1x660MW	
b)	Total Installed Capacity (MW)	660 MW	
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	646.22 MW	
d)	Technical Minimum (MW)	363	
e)	Type of Fuel	Primary: Coal Bituminous/ Sub Bituminous, Secondary: LDO	
f)	Region	Eastern Region	
g)	Bid Area		
h)	Fixed Cost (paise/KWh up to one decimal place)	240.5	
i)	Variable Cost (paise/Kwh up to one decimal place)	152.7	
j)	Ramp-Up Rate (MW/Min) for each unit	6.15 MW/Min	
k)	Ramp-Down Rate (MW/Min) for each unit	6.15 MW/Min	
1)	Start-Up time from Cold Start(in Min) and	Cold: 2880 Min	
	Warm Start (in Min)for each unit	Warm: 2160 Min	
m)	Any other information	Nil	

Name: Rahul Anand Designation: DGM (OS)

राहुल आनन्द/Rahul Anand उप महाप्रबंधक (ओ॰ एस॰)/DGM (OS) एनटीपीसी पू॰ क्षे॰-I मु॰/NTPC ER-I HQ पटना/PATNA

From: (Name of RRAS Provider Generating Station)/ (Name of Owner Organization)

TEESTA-V POWER STATION (NHPC LTD.)

To: ERPC

Validity of the Information

From: 16/02/2024 To: 15/03/2024

Date: 10/02/2024

S. No.	Title/Parameters	Values/Data
a)	Number of Generating Units (e.g. 1 x 210MW+ 2 x 500MW)	3X170 MW
b)	Total Installed Capacity (MW)	510 MW
c)	Maximum possible Ex-bus injection (MW) (including over load if any)	529*
d)	Technical Minimum (MW)	N.A.
e)	Type of Fuel	WATER
f)	Region	EASTERN REGION
g)	Bid area	E1
h)	Fixed Cost	98.4 Paise/KWH
i)	Variable Cost	98.4 Paise/KWH
j)	Ramp-Up Rate (MW/Min)for each unit	45 MW/Min
k)	Ramp-Down Rate (MW/Min) for each unit	45 MW/Min
1)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	15 min approx
m)	Any other information	

^{*}As per water availability

Copy to: ERLDC

Signature of Authorized Signatory (with Stamp)

Name: Kanti Soni

Designation: SM (M)

From: (Name of RRAS Provider Generating Station)/ (Name of Owner Organization) RANGIT POWER STATION (NHPC LTD.)

To: ERPC

Validity of the Information

From: 16/02/2024 To: 15/03/2024

Date: 10/02/2024

From:	Title/Parameters	Values/Data
a)	Number of Generating Units (e.g. 1 x 210MW+ 2 x 500MW)	3X20 MW
b)	Total Installed Capacity (MW)	60 MW
c)	Maximum possible Ex-bus injection (MW) (including over load if any)	62*
d)	Technical Minimum (MW)	N.A.
e)	Type of Fuel	WATER
f)	Region	EASTERN REGION
g)	Bid area	E1
h)	Fixed Cost	201.25 Paise/KWH
i)	Variable Cost	201.25 Paise/KWH
j)	Ramp-Up Rate (MW/Min) for each unit	15 MW/min
k)	Ramp-Down Rate (MW/Min) for each unit	15 MW/min
1)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	15 min approx
m)	Any other information	

^{*}As per water availability.

Copy to: ERLDC

Signature of Authorized Signatory (with Stamp)

Name: Kanti Soni

Designation: SM (M)

From: (Nabi Nagar Thermal Power Project)/ (Bhartiya Rail Bijlee Company Ltd.)

To: ERPC

Validity of the Information

from: 16/02/2024

To: 15/03/2024

Date: 06/02/2024

S	Title/Parameters	Values/Data
No.		17/050 1/07/
a)	Number of Generating Units	4X250 MW
b)	Total Installed Capacity (MW)	4X250 MW
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	. 910 MW .
d)	Technical Minimum (MW) (per Unit)	137.5 MW (55% of Nameplate MCR, 9% APC)
e)	Type of Fuel	Coal + LDO
f)	Region	ER
g)	Bid area	E1
h)	Fixed Cost (paise / kWh up to one decimal place)	232.6
i)	Variable Cost (paise / kWh up to one decimal place)	323.1
j)	Ramp-Up Rate (MW/15 min) for each unit	34.125
k)	Ramp-Down Rate (MW/15 Min) for each unit	34.125
1)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	Cold Start: 480 min Warm Start:300 min
m)	Any other information	

Startup Time from Reserve Shut Down (in case Unit Shut Down Period is more than 5 days as Boiler will be kept under preservation)

840 minutes

Copy to: ERLDC

Signature of Authorized Signature (TEMS) Name:

नवीनगर टी.पी.पी./ Nabinagar T.P.P. औरंगाबाद, बिहार/ Aurangabad, Bihar

Designation:

From: Maithon Power Limited

To: ERPC

Validity of the Information From: 16-02-2024 To: 15-03-2024

Date: 06-02-2024

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units (e.g. 1 x 210 MW + 2 x 500 MW)	2 x 525 MW
b)	Total Installed Capacity (MW)	1050 MW
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	984.38
d)	Technical Minimum (MW)	541.41
e)	Type of Fuel	Bituminous/Sub-Bituminous coal (Start up with LDO and HFO)
f)	Region	Eastern
g)	Bid area	E1
h)	Fixed Cost (paise / kWh upto one decimal place)	137.0
i)	Variable Cost (paise / kWh upto one decimal place)	295.9
j)	Ramp-Up Rate (MW/Min) for each unit	4.92
k)	Ramp-Down Rate (MW/Min) for each unit	4.92
l)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	Cold 720 Warm 300
m)	Any other information	840 min for RSD in case of unit shutdown period is more than 5 days as boiler will be kept under preservation.

Copy to: Signature of Authorized Signatory (with Stamp)



Designation: Head - Commercial & Regulation, MPL