

Format ASI: Generator Details by RRAS Provider

From: NTPC Barh/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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) (including overload, if any)	ST#I: 1244.1 MW ST# II: 1244.1 MW
d)	Technical Minimum (MW)	ST#I: 684.26 MW ST# II: 684.26MW
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: 220.5 Paise/Kwh St-II: 183.1 Paise/Kwh
i)	Variable Cost (paise/Kwh up to one decimal place)	St-I : 276.3 Paise/Kwh St-II: 277.7 Paise/Kwh
j)	Ramp-Up Rate (MW/15Min) for each unit	St-I/II: 93.30 / 93.30 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	St-I/II: 93.30 / 93.30 MW/15Min/Unit
l)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 2100 Mins Warm: 900 Mins
m)	Any other information	

*A.R. Dash*  
 Signed by

Name: A R Dash

Designation: GM (OS)

ए. आर. दाश / A. R. DASH  
 महाप्रबंधक (प्र. से.) / General Manager (OS)  
 एनटीपीसी, यू.के.-1 (यु०) / NTPC, ER-IHQ.  
 पटना / PATNA

Format ASI: Generator Details by RRAS Provider

From: FSTPP/NTPC Ltd

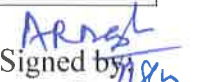

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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) (including overload, if any)	ST #I&II:1496.5 MW ST# III: 471.25 MW
d)	Technical Minimum (MW)	ST # I&II: 823.08 MW ST# III: 259.19 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& II : 90.4 Paise/KWh ST# III: 147.1 Paise/KWh
i)	Variable Cost (paise/Kwh up to one decimal place)	ST# I & II: 318.0 Paise/KWh ST# III: 316.9 Paise/KWh
j)	Ramp-Up Rate (MW/15Min) for each unit	For 200 MW Stage I:27.30 MW/Unit/15Min For 500 MW Stage II:71.06 MW/Unit/15Min For500 MW StageIII:70.69 MW/Unit/15Min
k)	Ramp-Down Rate (MW/15Min)for each unit	-do-
l)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	ST#I, II &III : Cold : 360 Minutes ST#I, II & III : Warm: 240 Minutes
m)	Any other information	840 Minutes for RSD in case of unit shutdown period is more than 5 days as boiler will be kept under preservation.

हस्ताक्षरित ए. आर. दाश  
(20) अगस्त 2024 (दि. 20) को प्रमाणित  
081 93 3974 / (20) NTPC, ER-IHQ  
PATNA

Signed by   
Name: A R Dash  
Designation:   
ए. आर. दाश / A. R. DASH  
महाप्रबंधक (प्र. से.) / General Manager (OS)  
एनटीपीसी, यू.ई.-1 (यू०) / NTPC, ER-IHQ.  
पटना / PATNA

Format ASI: Generator Details by RRAS Provider

From: KhSTPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	4X210 MW + 3X500 MW
b)	Total Installed Capacity (MW)	2340 MW
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	2178.15MW (764.4+1413.75)MW
d)	Technical Minimum (MW)	1197.98 MW(420.42 +777.56)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 : 106.9 Paise/KWh ST# II: 92.0 Paise/KWh
i)	Variable Cost (paise/Kwh up to one decimal place)	ST# I : 262.0 Paise/KWh ST# II: 244.5 Paise/KWh
j)	Ramp-Up Rate (MW/15Min) for each unit	Stage I- 28.7 MW/15 min Block/Unit Stage II- 70.69MW/15min Block/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	-do-
l)	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 for RSD in case of unit shutdown period is more than 5 days as boiler will be kept under preservation

*A R Dash*  
Signed by

Name: A R Dash

Designation: GM (OS)

ए. आर. दाश (प्र. से.) / General Manager (OS)  
महाप्रबंधक (प्र. से.) / NTPC, ER-I.HQ.  
एनटीपीसी, यू.डी.-I (यु०) / PATNA

RECEIVED IN THE OFFICE OF  
GENERAL MANAGER (OS)  
NTPC, ER-I.HQ.  
PATNA

Format AS1: Generator Details by RRAS Provider

From: TSTPP-I /NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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)	934.5 MW
d)	Technical Minimum (MW)	513.98 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)	90.7 Paise/Kwh
i)	Variable Cost (paise/Kwh up to one decimal place)	188.0 Paise/Kwh
j)	Ramp-Up Rate (MW/15Min) for each unit	70.08 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	70.08 MW/15Min/Unit
l)	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	-

*A.R. Dash*  
Signed by

Name: A R Dash  
Designation: GM (OS)

ए. आर. दाश / A. R. DASH  
महाप्रबंधक (प्र. से.) / General Manager (OS)  
एनटीपीसी, यू.के.-I (पू०) / NTPC, ER-IHQ.  
पटना / PATNA



Format ASI: Generator Details by RRAS Provider

From: Darlipali STPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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)	1508MW
d)	Technical Minimum (MW)	829.40
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)	168.5 Paise/Kwh
i)	Variable Cost (paise/Kwh up to one decimal place)	116.6 Paise/Kwh
j)	Ramp-Up Rate (MW/15Min) for each unit	113.1 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	113.1 MW/15Min/Unit
l)	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

*AR Dash*  
 Signed By

Name: A R Dash

Designation: **GM (OS) DASH**  
**ए. आर. दाश / General Manager (OS)**  
 महाप्रबंधक (प्र. से.) / NTPC, ER-IHQ.  
 एनटीपीसी, यू.से.-I (मु०) / PATNA

HEAD R. A. R. DASH  
 (P. S.) / General Manager (OS)  
 महाप्रबंधक (प्र. से.) / NTPC, ER-IHQ.  
 एनटीपीसी, यू.से.-I (मु०) / PATNA

Format ASI: Generator Details by RRAS Provider

From: MTPS II STPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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)	354.9 MW
d)	Technical Minimum (MW)	195.20
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)	244.8
j)	Ramp-Up Rate (MW/15Min) for each unit	26.61 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	26.61 MW/15Min/Unit
l)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 360 Min Warm: 240 Min 840 Minutes for RSD in case of unit shutdown period is more than 5 days
m)	Any other information	Nil

*AR Dash*  
Signed by

Name: A R Dash

Designation: *GM (OS)*

*ए. आर. दाश / GM (OS)*  
महाप्रबंधक (प्र. से.) / General Manager (OS)  
एनटीपीसी, यू.के.-1 (यु०) / NTPC, ER-IHQ.  
पटना / PATNA

*ए. आर. दाश / GM (OS)*  
महाप्रबंधक (प्र. से.) / General Manager (OS)  
एनटीपीसी, यू.के.-1 (यु०) / NTPC, ER-IHQ.  
पटना / PATNA

Format ASI: Generator Details by RRAS Provider

From: NPGC/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

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)	1866.15 MW
d)	Technical Minimum (MW)	1026.38
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)	208.7
i)	Variable Cost (paise/Kwh up to one decimal place)	260.5
j)	Ramp-Up Rate (MW/15Min) for each unit	93.30 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	93.30 MW/15Min/Unit
l)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 2100 Min Warm: 900 Min
m)	Any other information	Nil

*AR Dash*  
Signed by *AR Dash*

Name: A R Dash

Designation: **GM DASH**

ए. आर. दाश / General Manager (OS)

महाप्रबंधक (प्र. से.) / NTPC, ER-IHQ.

एनटीपीसी, पृ.क्षे.-I (पु०) / PATNA

हस्ताक्षर ए. आर. दाश  
(OS) महाप्रबंधक (प्र. से.) / NTPC, ER-IHQ.  
एनटीपीसी, पृ.क्षे.-I (पु०) / PATNA

Format ASI: Generator Details by RRAS Provider

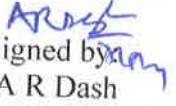
From: NKSTPP/NTPC Ltd

To: ERPC, Kolkata

Validity of the Information: From 16/08/2024 to 15/09/2024

Date: 07/08/2024

S. No	Title/Parameters	Values/Data
a)	Number of Generating Units	2x660MW
b)	Total Installed Capacity (MW)	1320 MW
c)	Maximum Possible Ex-Bus injection (MW) (including overload, if any)	1237.5 MW
d)	Technical Minimum (MW)	680.63
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)	200.7
i)	Variable Cost (paise/Kwh up to one decimal place)	167.2
j)	Ramp-Up Rate (MW/15Min) for each unit	92.81 MW/15Min/Unit
k)	Ramp-Down Rate (MW/15Min)for each unit	92.81 MW/15Min/Unit
l)	Start-Up time from Cold Start(in Min) and Warm Start (in Min)for each unit	Cold: 2880 Min Warm: 2160 Min
m)	Any other information	Nil

Signed by 

Name: A R Dash

Designation: GM (OS)

**ए. आर. दाश / A. R. DASH**  
 महाप्रबंधक (प्र. से.) / General Manager (OS)  
 एनटीपीसी, यू.के.-I (यु०) / NTPC, ER-I HQ.  
 पटना / PATNA



## Format AS1: Generator Details by RRAS Provider

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

**To:** ERPC

**Validity of the Information**                      **from:** 16/08/2024                      **To:** 15/09/2024

**Date:** 03/08/2024

S No.	Title/Parameters	Values/Data
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)	305.8
j)	Ramp-Up Rate (MW/15 min) for each unit	34.125
k)	Ramp-Down Rate (MW/15 Min) for each unit	34.125
l)	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  
जाविनाश शुक्ला / ANIMASH SHUKLA  
ग्रिड एमएनजी (Gr. Manager (EMG))  
बी.आर.बी.सी.एल. / BRBCL  
नवीनगर टी.पी.पी. / Nabinagar T.P.P.  
औरंगाबाद, बिहार / Aurangabad, Bihar

Copy to: ERLDC

Signature of Authorized Signatory (with Stamp) Name:

Designation:

**Format ASI:Generator Details by RRAS Provider**

**From:** (Name of RRAS Provider Generating Station)/ (Name of Owner Organization)  
**TEESTA-V POWER STATION (NHPC LTD.)**

**To:** ERPC

**Validity of the Information**

**From:** 16/08/2024 **To:** 15/09/2024

**Date:** 08/08/2024

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)	----
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
l)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	15 min approx
m)	Any other information	

Copy to: ERLDC

Signature of Authorized Signatory (with Stamp)

  
Name: Dharmendra Kumar

Designation: DGM (E)

**Format AS1: Generator Details by RRAS Provider**

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

**To:** ERPC

**Validity of the Information**

**From:** 16/08/2024 **To:** 15/09/2024

**Date:** 08/08/2024

<b>From:</b>	<b>Title/Parameters</b>	<b>Values/Data</b>
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	201.3 Paise/KWH
i)	Variable Cost	201.3 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
l)	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: Dharmendra Kumar

Designation: DGM (E)

**Format AS1: Generator Details by TRAS/SRAS/SCED Provider**

**From:** Maithon Power Limited

**To:** ERPC

Validity of the Information

From: 16-08-2024 To: 15-09-2024

**Date:** 07-08-2024

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)	989.625
d)	Technical Minimum (MW)	544.3
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)	137.4
i)	Variable Cost (paise / kWh upto one decimal place)	295.5
j)	Ramp-Up Rate (MW/Min) for each unit	4.948
k)	Ramp-Down Rate (MW/Min) for each unit	4.948
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)



Name: Sudip Dash

Designation: Head - Commercial & Regulation, MPL