

Format AS3: RRAS Provider Parameters by RPC

From: NERPC

To: Nodal Agency (NLDC, Delhi)

(Name of RRAS Provider Generating Station) **Agartala Gas Based Power Station**

(Name of Owner Organization) **North Eastern Electric Power Corporation Limited (NEEPCO)**

Validity of the Information


From: 16/01/2023

To: 15/02/2023

Date: 12/01/2023

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	4x21MW+2x25.5MW
b)	Total Installed Capacity (MW)	135
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	126
d)	Technical Minimum (MW)	98 MW (in Combined Cycle) with all HRGs in service
e)	Type of Fuel	Natural Gas
f)	Region	N.E.R
g)	Bid area	Tripura
h)	Fixed Cost (Paise/kWh up to one decimal place)	Rs. 2.045/Kwh (for December, 2022)
i)	Variable Cost (Paise/kWh up to one decimal place)	Rs. 5.701/Kwh (for December, 2022)
j)	Ramp-Up Rate (MW/Min) for each unit	GTG 1-4: 2 MW/min STG1-2: 0.5 MW/min
k)	Ramp- Down Rate (MW/Min) for each unit	GTG 1-4: 2 MW/min STG1-2: 0.5 MW/min
l)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	Cold Start GTG 1-4: 25 min STG1-2: 480-600 min
		Warm Start GTG 1-4: 25 min STG1-2: 240 min
m)	Any other information	Minimum Loading of Gas Turbines must be at least 18 MW each for taking individual HRSG into service

Signature of Authorized Signatory (With Stamp)


(S.M. Ahmed) (S.M. Ahmed)
Director/Director
NERPC/NERPC
विद्युत विभाग/Min. of Power
भारत सरकार/Govt. of India
विद्युत/Ministry

Format AS3: RRAS Provider Parameters by RPC

From: NERPC

To: Nodal Agency (NLDC, Delhi)

(Name of RRAS Provider Generating Station) **Assam Gas Based Power Station (Kathalguri)**

(Name of Owner Organization) **North Eastern Electric Power Corporation Limited(NEEPCO)**

Validity of the Information

From: 16/01/2023


To: 15/02/2023

Date: 12/01/2023

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	6x33.5MW+3x30 MW
b)	Total Installed Capacity (MW)	291
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	110%
d)	Technical Minimum (MW)	152
e)	Type of Fuel	Natural Gas
f)	Region	N.E.R
g)	Bid area	N.E.R
h)	Fixed Cost (Paise/kWh up to one decimal place)	205.40
i)	Variable Cost (Paise/kWh up to one decimal place)	605.10
j)	Ramp-Up Rate (MW/Min) for each unit	GTG 1-4: 2.27 MW/min GTG 5&6: 4.28 MW/min STG 1-3: 3.00 MW/min
k)	Ramp- Down Rate (MW/Min) for each unit	GTG 1-4: 2.27 MW/min GTG 5&6: 4.28 MW/min STG 1-3: 3.00 MW/min
l)	Start-up Time (in Min) from Cold Start & Warm Start of each unit	Cold Start GTG 1-4: 28 min GTG 5&6: 22 min STG 1-3: 180 min
		Warm Start GTG 1-4: 13 min GTG 5&6: 7 min STG 1-3: 30 min
m)	Any other information	NIL

***Fixed cost & Variable cost are for the month of December 2022**

Signature of Authorized Signatory (With Stamp)


(Signature of S. M. Aimal)
Director/Director
उ.स.ओ.रे.ए./NERPC
विद्युत मंत्रालय/Min. of Power
भारत सरकार/Govt. of India
Dispur/Shillong

Format AS3: RRAS Provider Parameters by RPC

From: NERPC
(Name of RRAS Provider Generating Station) **LOKTAK HEP**
(Name of Owner Organization) **NHPC Limited**

To: Nodal Agency (NLDC, Delhi)

Validity of the Information

From: 16/01/2023


To: 15/02/2023

Date: 12/01/2023

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	3x35
b)	Total Installed Capacity (MW)	105
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	105 MW*
d)	Technical Minimum (MW)	N.A
e)	Type of Fuel	WATER
f)	Region	N.E.R
g)	Bid area	A1
h)	Fixed Cost (Paise/kWh up to one decimal place)	194.6
i)	Variable Cost (Paise/kWh up to one decimal place)	194.6
j)	Ramp-Up Rate (MW/Min) for each unit	30 MW per min
k)	Ramp- Down Rate (MW/Min) for each unit	30 MW per min
l)	Start-up Time from Cold Start (in Min) / Warm Start/Hot Start of each unit	15 min
m)	Any other information	

* As per water availability

Signature of Authorized Signatory (With Stamp)


(Name, Title, Address) (S. M. Alamol)
Director/Director
उत्पत्ति विभाग/NERPC
विद्युत विभाग/Min. of Power
नया दिल्ली/Genl. of India
शिलोंग/Shillong

Format AS3: RRAS Provider Parameters by RPC

From: NERPC

To: Nodal Agency (NLDC, Delhi)

(Name of RRAS Provider Generating Station) **Bongaigaon Thermal Power**

Plant (Name of Owner Organization) **NTPC Limited**

Validity of the Information


From: 16/01/2023

To: 15/02/2023

Date: 12/01/2023

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	3x250 MW
b)	Total Installed Capacity (MW)	750
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	239.06 MW per unit
d)	Technical Minimum (MW)	137.5 MW per unit
e)	Type of Fuel	Coal
f)	Region	N.E.R
g)	Bid area	N.E.R.
h)	Fixed Cost (Paise/kWh up to one decimal place)	240.63
i)	Variable Cost (Paise/kWh up to one decimal place)	371.10
j)	Ramp-Up Rate (MW/Min) for each unit	2.28 MW per min (ex Bus)
k)	Ramp- Down Rate (MW/Min) for each unit	2.28 MW per min (ex Bus)
l)	Start-up Time from Cold Start (in Min) / Warm Start/Hot Start of each unit	Cold Start: 600 min Warm Start: 360 min Hot Start: 66 Min
m)	Any other information	Warm start up time: 10 hr. if RSD>12 hr. Cold start up time: 23 hr. if RSD>4 days as boiler will be kept under preservation

Signature of Authorized Signatory (With Stamp)


(एन.एन.आर.सी./S. of Area)
निदेशक/Director
उत्पत्ति विभाग/NERPC
विद्युत विभाग/Min. of Power
भारत सरकार/Govt. of India
दिल्ली/Delhi