

दक्षिण क्षेत्रिय विद्युत समिति

Southern Regional Power Committee

Format AS3: RRAS Provider Parameters by SRPC

16-November-2017 To 15-December-2017

From: SRPC

To: Nodal Agency (NLDC, Delhi)

(1.Name of RRAS Provider Generating Station) :		KUDGI STPS I
(Name of Owner Organization) :		NTPC Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	1×800
b)	Total Installed Capacity(MW)	800.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	754.00
d)	Technical Minimum(MW)	414.70
e)	Type of Fuel	coal;oil(Sec)
f)	Region	SR
g)	Bid area	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	184.5
i)	Variable Cost (paise/kWh up to one decimal place)	357.4
j)	Ramp-Up Rate (MW/Min) for each unit	2.67
k)	Ramp-Down Rate (MW/Min) for each unit	2.67
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:360, Hot:170
m)	Any other information	NIL
(2.Name of RRAS Provider Generating Station) :		TPS-II Stage I
(Name of Owner Organization) :		NLC Ltd
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	3×210.00
b)	Total Installed Capacity(MW)	630.00

c)	Maximum possible Ex-bus injection (MW) (including overload if any)	567.00
d)	Technical Minimum(MW)	311.85
e)	Type of Fuel	Lignite
f)	Region	SR
g)	Bidarea	S2
h)	Fixed Cost (paise/kWh up to one decimal place)	76.3
i)	Variable Cost (paise/kWh up to one decimal place)	275
j)	Ramp-Up Rate (MW/Min) for each unit	1.20
k)	Ramp-Down Rate (MW/Min) for each unit	1.50
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:660, Hot:270
m)	Any other information	Maximum possible Ex-mines Injection (MW) (Based on Mines Minimum Power Consumption during daily Preventive & Break Down Maintenance Period: 557
(3.Name of RRAS Provider Generating Station) :		TPS-II Stage II
(Name of Owner Organization) :		NLC Ltd
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	4×210.00
b)	Total Installed Capacity(MW)	840.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	756.00
d)	Technical Minimum(MW)	415.80
e)	Type of Fuel	Lignite
f)	Region	SR
g)	Bidarea	S2
h)	Fixed Cost (paise/kWh up to one decimal place)	73
i)	Variable Cost (paise/kWh up to one decimal place)	275
j)	Ramp-Up Rate (MW/Min) for each unit	1.20
k)	Ramp-Down Rate (MW/Min) for each unit	1.50

l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:525, Hot:270
m)	Any other information	Maximum possible Ex-mines Injection (MW) (Based on Mines Minimum Power Consumption during daily Preventive & Break Down Maintenance Period:746
(4.Name of RRAS Provider Generating Station) :		TPS-II Expansion
(Name of OwnerOrganization) :		NLC Ltd
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of GeneratingUnits	2×250.00
b)	Total Installed Capacity(MW)	500.00
c)	Maximum possible Ex-bus injection (MW) (including overload ifany)	450.00
d)	Technical Minimum(MW)	247.50
e)	Type of Fuel	Lignite
f)	Region	SR
g)	Bidarea	S2
h)	Fixed Cost (paise/kWh up to one decimal place)	249.8
i)	Variable Cost (paise/kWh up to one decimal place)	253
j)	Ramp-Up Rate (MW/Min) for each unit	1.20
k)	Ramp-Down Rate (MW/Min) for each unit	0.9
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:720, Hot:390
m)	Any other information	NIL
(5.Name of RRAS Provider Generating Station) :		TPS-I Expansion
(Name of OwnerOrganization) :		NLC Ltd
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of GeneratingUnits	2×210.00
b)	Total Installed Capacity(MW)	420.00
c)	Maximum possible Ex-bus injection (MW) (including overload ifany)	395.00
d)	Technical Minimum(MW)	211.37

e)	Type of Fuel	Lignite
f)	Region	SR
g)	Bidarea	S2
h)	Fixed Cost (paise/kWh up to one decimal place)	101.9
i)	Variable Cost (paise/kWh up to one decimal place)	254.2
j)	Ramp-Up Rate (MW/Min) for each unit	1.20
k)	Ramp-Down Rate (MW/Min) for each unit	1.50
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:480, Hot:180
m)	Any other information	NIL
(6.Name of RRAS Provider Generating Station) :		NTPL
(Name of OwnerOrganization) :		NLC Tamilnadu Power Limited, Tuticorin
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of GeneratingUnits	2×500.00
b)	Total Installed Capacity(MW)	1000.00
c)	Maximum possible Ex-bus injection (MW) (including overload ifany)	937.50
d)	Technical Minimum(MW)	515.63
e)	Type of Fuel	coal
f)	Region	SR
g)	Bidarea	S2
h)	Fixed Cost (paise/kWh up to one decimal place)	154.1
i)	Variable Cost (paise/kWh up to one decimal place)	324.2
j)	Ramp-Up Rate (MW/Min) for each unit	1.67
k)	Ramp-Down Rate (MW/Min) for each unit	1.67
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:420, Hot:210
m)	Any other information	NIL
(7.Name of RRAS Provider Generating Station) :		Ramagundam Super Thermal Power Station (U1-6)
(Name of OwnerOrganization) :		NTPC Ltd.

Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	3,3×200.00,500
b)	Total Installed Capacity(MW)	2100.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	2010.00
d)	Technical Minimum(MW)	1077.85
e)	Type of Fuel	coal;Oil(Sec)
f)	Region	SR
g)	Bidarea	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	70.3
i)	Variable Cost (paise/kWh up to one decimal place)	236.5
j)	Ramp-Up Rate (MW/Min) for each unit	0.6/200;1.6/500
k)	Ramp-Down Rate (MW/Min) for each unit	0.6/200;1.6/500
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:410(200)-370(500), Hot:150(200)-225(500)
m)	Any other information	NIL
(8.Name of RRAS Provider Generating Station) :		Ramagundam Super Thermal Power Station (U7)
(Name of Owner Organization) :		NTPC Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	1×500
b)	Total Installed Capacity(MW)	500.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	484.00
d)	Technical Minimum(MW)	259.19
e)	Type of Fuel	coal;Oil(Sec)
f)	Region	SR
g)	Bidarea	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	76.1
i)	Variable Cost (paise/kWh up to one decimal place)	231.2

j)	Ramp-Up Rate (MW/Min) for each unit	1.6
k)	Ramp-Down Rate (MW/Min) for each unit	1.6
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:370, Hot:225
m)	Any other information	Nil
(9.Name of RRAS Provider Generating Station) :		Simhadri Super Thermal Power Station Stage I
(Name of OwnerOrganization) :		NTPC Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of GeneratingUnits	2×500
b)	Total Installed Capacity(MW)	1000.00
c)	Maximum possible Ex-bus injection (MW) (including overload ifany)	960.00
d)	Technical Minimum(MW)	521.13
e)	Type of Fuel	Coal
f)	Region	SR
g)	Bidarea	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	92.9
i)	Variable Cost (paise/kWh up to one decimal place)	283.6
j)	Ramp-Up Rate (MW/Min) for each unit	1.93
k)	Ramp-Down Rate (MW/Min) for each unit	1.93
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:240, Hot:150
m)	Any other information	NIL
(10.Name of RRAS Provider Generating Station) :		Simhadri Super Thermal Power Station Stage II
(Name of OwnerOrganization) :		NTPC Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of GeneratingUnits	2×500
b)	Total Installed Capacity(MW)	1000.00

c)	Maximum possible Ex-bus injection (MW) (including overload if any)	960.00
d)	Technical Minimum(MW)	521.13
e)	Type of Fuel	Coal
f)	Region	SR
g)	Bidarea	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	155.2
i)	Variable Cost (paise/kWh up to one decimal place)	284.5
j)	Ramp-Up Rate (MW/Min) for each unit	1.93
k)	Ramp-Down Rate (MW/Min) for each unit	1.93
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:240, Hot:150
m)	Any other information	NIL
(11.Name of RRAS Provider Generating Station) :		Talcher Super Thermal Power Station Stage II
(Name of Owner Organization) :		NTPC Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	4×500
b)	Total Installed Capacity(MW)	2000.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	1900.00
d)	Technical Minimum(MW)	1036.75
e)	Type of Fuel	Coal
f)	Region	SR
g)	Bidarea	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	68.6
i)	Variable Cost (paise/kWh up to one decimal place)	130.2
j)	Ramp-Up Rate (MW/Min) for each unit	1.6
k)	Ramp-Down Rate (MW/Min) for each unit	1.6
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:360, Hot:210
m)	Any other information	NIL

(12.Name of RRAS Provider Generating Station) :		Vallur Thermal Power Station
(Name of Owner Organization) :		NTPC Tamil Nadu Energy Company Ltd.
Validity of the Information	From:	16-November-2017
	To:	15-December-2017
	On:	12-November-2017
S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	3×500
b)	Total Installed Capacity(MW)	1500.00
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	1400.00
d)	Technical Minimum(MW)	769.81
e)	Type of Fuel	Coal
f)	Region	SR
g)	Bid area	S1
h)	Fixed Cost (paise/kWh up to one decimal place)	179.5
i)	Variable Cost (paise/kWh up to one decimal place)	293.8
j)	Ramp-Up Rate (MW/Min) for each unit	1.67
k)	Ramp-Down Rate (MW/Min) for each unit	1.67
l)	Start-up Time from Cold Start & Warm Start (in Min) for each unit	Cold:370, Hot:225
m)	Any other information	NIL

Copy to: SRLDC (12/12 ISGS)

Signature of Authorized Signatory (with Stamp)

Name and Designation: **ANUSHA DAS J**
AE

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