Format AS3: RRAS Provider Parameters by RPC

From: NRPC/WRPC/SRPC/ERPC/NERPC **To:** Nodal Agency (NLDC, Delhi)

Generating Station: **GAMA CCPP 225 MW Kashipur,**

Name of Owner Organization: **GAMA Infraprop Pvt Ltd, IPP**

Validity of the Information From: 16/03/2025 To: 31/03/2025 Date:16/03/2025

S.No.	Title/Parameters	Values/Data
a)	Number of Generating Units	**CCPP, GT = 71 MW, STG = 36 MW**
b)	Total Installed Capacity (MW)	**107 MW**
c)	Maximum possible Ex-bus injection (MW) (including overload if any)	**92 MW**
d)	Technical Minimum (MW)	**46 MW**
e)	Type of Fuel	**NG / RLNG**
f)	Region	**Northern, Uttarakhand**
g)	Bid area	**Uttarakhand**
h)	Fixed Cost (paise / kWh up to one decimal place)	**Not Applicable**
i)	Variable Cost (paise / kWh up to one decimal place)	**1426.6**
j)	Ramp-Up Rate (MW/Min) for each unit	**1 MW**
k)	Ramp-Down Rate (MW/Min) for each unit	**2 MW**
l)	Start-up Time from Cold Start (in Min) & Warm Start of each unit	**210 Min** **150 Min**
m)	**Any other information** **In point d above, the technical minimum of 46 MW is specifically for this PPA with NVVN. Normally with half module of this size it is 85%.**	**It is half module (107 MW) untied power; other half module (107 MW) is under PPA with UPCL**

GAMA INFRAPROP (P) LTD.

16/3/2025

Signature of Authorized Signatory
Name: Yash Pal Arora
Designation: VP Kashipur

Thermal (Coal/Lignite/Gas) Generator Details for Participation in Tertiary Reserve Ancillary Service Provider (TRAS)

From: DGEN Mega Power Project / Torrent Power Limited

To: Nodal Agency (NLDC)

Validity of the Information **From:** 16/03/2025 **To**: 31/03/2025

Date: 15/03/2025

All details are filled as per the PPA executed between NVVN and TPL under GOI tender NVVN\C&M\GBP\04\2024-25.

S.No.	Title/Parameters	Values/Data
1	Number of Generating Units (e.g. 1 x 210 MW + 2 x 500 MW)	(3 x 400)
2	Total Installed Capacity (MW) #	1150 MW
3	Auxiliary consumption (%) #	2.75%
4	Maximum possible Ex-bus injection (MW) (including overload if any) #	1150 MW
5	Technical Minimum (MW) #	575 MW
6	Type of Fuel	Imported RLNG/Gas
7	Region	WR
8	Bid area	W2
9	Fixed Cost (paise / kWh upto one decimal place)	NA
10	Variable Cost (paise / kWh upto one decimal place) #	**1428.2**
11	Ramp-Up Rate (MW/Min) for each unit #	4 MW/Min
12	Ramp-Down Rate (MW/Min) for each unit #	4 MW/Min
13	Start-up Time from Cold Start (in Min) & Warm Start of each unit	**Cold startup**: 450 Min (after 72 hours) **Warm Startup**: 270 Min (after 10 hours)
14	Any other information • Variable Cost is as per clause 2 of the PPA dated 10.03.2025 between TPL and NVVN • DGEN Plant can operate only in Combine cycle mode. • Units under RSD are preserved for reliability and accordingly require additional time for normalization prior to start-up (~180-240 mins) • All Details are as per PPA executed With NVVN regarding the tender of Procurement of Power during the crunch period floated by MoP.	

TORRENT POWER LIMITED

Thermal (Coal/Lignite/Gas) Generator Details for Participation in Tertiary Reserve Ancillary Service Provider (TRAS)

From: SUGEN CCPP / Torrent Power Limited

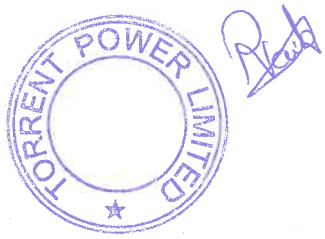
To: Nodal Agency (NLDC)

Validity of the Information **From:** 16/03/2025 **To**: 31/03/2025

Date: 15/03/2025

All details are filled as per the PPA executed between NVVN and TPL under GOI tender NVVN\C&M\GBP\04\2024-25.

S.No.	Title/Parameters	Values/Data
1	Number of Generating Units (e.g. 1 x 210 MW + 2 x 500 MW)	(3 x 382.5)
2	Total Installed Capacity (MW) #	150 MW
3	Auxiliary consumption (%) #	2.75%
4	Maximum possible Ex-bus injection (MW) (including overload if any) #	150 MW
5	Technical Minimum (MW) #	75 MW
6	Type of Fuel	Imported RLNG/Gas
7	Region	WR
8	Bid area	W2
9	Fixed Cost (paise / kWh upto one decimal place)	NA
10	Variable Cost (paise / kWh upto one decimal place) #	**1428.5**
11	Ramp-Up Rate (MW/Min) for each unit #	1.5 MW/Min
12	Ramp-Down Rate (MW/Min) for each unit #	1.5 MW/Min
13	Start-up Time from Cold Start (in Min) & Warm Start of each unit	**Cold startup**: 450 Min (after 72 hours) **Warm Startup**: 270 Min (after 10 hours)
14	Any other information • Variable Cost is as per clause 2 of the PPA dated 10.03.2025 between TPL and NVVN • SUGEN Plant can operate only in Combine cycle mode. • Units under RSD are preserved for reliability and accordingly require additional time for normalization (~180-240 mins) • All Details are as per PPA executed With NVVN regarding the tender of Procurement of Power during the crunch period floated by MoP.	



Thermal (Coal/Lignite/Gas) Generator Details for Participation in Tertiary Reserve Ancillary Service Provider (TRAS)		
From: (Name of TRAS Provider Generating Station): **Lanco Kondapalli Power Limited Stage#2**		
To: Nodal Agency (NLDC)		
Validity of the Information **From:** 16/03/2025 **To**: 31/03/2025		
Date: 15/03/2025		
S.No.	**Title/Parameters**	**Values/Data**
1	Number of Generating Units (e.g. 1 x 210 MW + 2 x 500 MW)	Gas Turbine-1x233MW Steam Turbine-1x133MW
2	Total Installed Capacity (MW)	366MW
3	Auxiliary consumption (%)	2.5%
4	Maximum possible Ex-bus injection (MW) (including overload if any)	352MW
5	Technical Minimum (MW)	183MW
6	Type of Fuel	Natural Gas/RLNG
7	Region	SR
8	Bid area	S1
9	Fixed Cost (paise / kWh up to one decimal place)	NA
10	Variable Cost (Paise / kWh up to one decimal place)	1458.4
11	Ramp-Up Rate (MW/Min) for each unit	19MW/Min for Open cycle 27MW/Min for combined cycle
12	Ramp-Down Rate (MW/Min) for each unit	19MW/Min for Open cycle 27MW/Min for combined cycle
13	Start-up Time from Cold Start (in Min) & Warm Start of each unit	270 Min for Cold startup 180 Min for Warm startup
14	Any other information	Units are under Reserved shut down and prior intimation may require for startup.

M. Ramachandrudu
General Manager