सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: CTU/W/00/42nd CMETS-WR

Date: 30.03.2026

As per distribution list

Subject: Minutes of the 42nd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 26.02.2026 -reg.

Sir,

Please find enclosed the minutes of 42nd Consultation Meeting for Evolving Transmission Schemes in Western Region held on 26.02.2026 through video conferencing.

The minutes are also available at our website (www.ctuil.in>>ISTS Planning and Coordination>>Consultation Meetings for ISTS).

Thanking you,

Yours Sincerely

(Anil Kumar Meena)
General Manager

Encl.: As stated above

Distribution List:

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9. Executive Engineer Administration of Union Territory of Dadra & Nagar Haveli and Daman & Diu Secretariat, Moti Daman - 395 220	**10.Chief Engineer** Electricity Department The Government of Goa, Panaji
11.Executive Director Western Regional Load Despatch Centre F-3, M.I.D.C. Area, Marol, Andheri East, Mumbai-400 093	**12.Director (SO)** Grid Controller of India Ltd. (Formerly POSOCO) 9th Floor, IFCI Towers, 61, Nehru Place, New Delhi - 110019

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Part A: Transmission Scheme-related Matters in Western Region

1. Confirmation of Minutes of the 41st CMETS-WR meeting held on 02.02.2026

The minutes of the 41st CMETS-WR held on 02.02.2026 were issued vide letter dated 23.02.2026.

NTPC vide e-mail dated 02.02.2026 has informed the following:

"The following para (page-11/53) mentioned in the MoM of 41st CMETS -WR on 02/02/2026 may be updated as follows with regards to NTPC-REL connectivity of 630MW Barethi Solar Park at MP.

Para as per MoM:-

"The NTPC representative stated that their project is geographically located far from, or on the other side of, the Ishanagar S/s and therefore sharing the bay allotted to M/s Avaada is not feasible. They further conveyed that additional capacity is planned in the vicinity of the Berethi Solar Park. In view of this future expansion, NTPC requested the allotment of a separate 400kV bay at the Ishanagar Substation. They also conveyed that they are comfortable with the proposed timeline for the bay at Ishanagar S/s and the dedicated Transmission line shall be implemented as S/C line on D/C tower for the Solar project (the same has been confirmed by NTPC vide email dated 11/02/2026)."

Updated para proposed by NTPC:

The NTPC representative stated that their project is geographically located far from, or on the other side of, the Ishanagar S/s and therefore sharing the bay allotted to M/s Avaada is not feasible. They further conveyed that additional capacity is planned in the vicinity of the Barethi Solar Park. In view of this ***proposed*** *future expansion, NTPC requested the allotment of a separate 400kV bay at the Ishanagar Substation.* ***They have also confirmed the development of the bay at Ishanagar S/s end under ISTS scope*** *and the dedicated Transmission line shall be implemented as S/c line on D/c tower for the Solar project (the same has been confirmed by NTPC vide email dated 11/02/2026)."*

In view of the above inputs, the revised text was agreed to be mentioned as under:

*"The NTPC representative stated that their project is geographically located far from, or on the other side of, the Ishanagar S/s and therefore sharing the bay allotted to M/s Avaada is not feasible. They further conveyed that additional capacity is planned in the vicinity of the Berethi Solar Park. In view of this **proposed** future expansion, NTPC requested the allotment of a separate 400kV bay at the Ishanagar Substation.* **They also confirmed the development of the bay at Ishanagar S/s end under ISTS scope *and that they agree with the proposed timeline for the bay at Ishanagar S/s,*** *and the dedicated Transmission line shall be implemented as S/c line on D/c tower for the Solar project (the same has been confirmed by NTPC vide email dated 11/02/2026)."*

Agenda-1: Development of power evacuation system through STU network for the upcoming 4000 MW Thermal Power Stations (TPS) in MP planned under DBFOO Model by MPPMCL – Agenda by MP-STU (MPPTCL)

MP-STU (MPPTCL) vide letter dated 23.10.2025 has informed the following:

- The Ministry of Power (MoP), Government of India, has notified the Electricity (Amendment) Rules, 2022. Under Rule 16, the Resource Adequacy Guidelines have been issued, entrusting the Central Electricity Authority (CEA) with the preparation of the long-term National Resource Adequacy Plan. As per the final report of CEA (Resource Adequacy Plan for Madhya Pradesh, FY 2024-25 to FY 2034-35), the contracted capacity of Madhya Pradesh in August 2024 was 22,840 MW, projected to increase to 82,180 MW by FY 2034-35. The state's electricity demand is projected to rise at a CAGR of 5.36% over this period, indicating a potential energy deficit. To address this, the State is required to augment its power procurement.
- In line with the Government of Madhya Pradesh's commitment to provide reliable and round-the-clock power, particularly for the agricultural sector, MPPMCL has initiated long-term procurement of 3,200 MW power from new thermal power stations, with an additional 800 MW under the Greenshoe option, on Design, Build, Finance, Own & Operate (DBFOO) basis. As per the RFP, development of the power evacuation system is the responsibility of the beneficiary (MPPMCL) and must align with the commissioning schedule of these projects in FY 2030-31. Tendering for the power evacuation system is required to be finalized within one year of the issuance of the LOA to project developers.
- Further, MPPMCL has informed that the e-RA process for long-term procurement of 3200MW power from new thermal power stations (with an additional capacity of 800MW under Greenshoe option) was concluded on 15.07.2025, and LOA to the following three different bidders has been issued with SCOD of the project is **FY 2030–31**:
  (i) M/s Hindustan Thermal Projects Ltd. – 800MW

(Proposed Location: Village – Laharpur Murram Jaithari, Amagavan, Guwari and Beliya, Tehsil-Jaithari, Distt-Anuppur)

(ii) M/s Torrent Power Ltd. – 1600MW
(Proposed Location: Village – Kolmi and Raksha, Distt-Anuppur)

(iii) M/s Adani Power Ltd. – 800MW + 800MW (under Greenshoe option)
(Proposed Location: Village – Umarda, Majtolia, Chhatai, Distt-Anuppur)

The entire 4000 MW capacity will be contracted by MPPMCL. Accordingly, MPPMCL has requested MPPTCL to plan the 4000 MW power evacuation system at 400 kV level through the STU network, in consultation with CTUIL.

In view of the above, the MP-STU has carried out preliminary system studies for the evacuation of 4000 MW power from the three new TPS and indicates the following requirements for the power evacuation system:

- 1 No. 400kV Pooling Substation near Shahdol – for connectivity of the three thermal plants.
- 3 Nos. 400/220/132kV STU Substations – near Jabalpur, Gadarwara, and Chhindwara.
- 4 Nos. 220/132/33kV STU Substations - near Jabalpur (VFJ), Karakbel (Narsinghpur), Nagod (Satna), and Waraseoni (Balaghat)
- Associated 400/220/132kV Transmission Lines – Interconnected with both STU & CTU networks, along with requisite feeder bays.
- As per preliminary studies of MPPTCL, the three new 400kV STU substations will be interconnected with the CTUIL network; hence, confirmation is sought from CTUIL regarding the availability of space for the required 400 kV feeder bays at PGCIL / ISTS substations. These feeder bays, once confirmed, shall be developed under the ISTS scheme.

The above system was deliberated in the 39th CMETS-WR meeting held on 11.11.2025, wherein it was decided to finalise the proposal in a separate joint study meeting along with the Common Network Expansion Scheme to facilitate the evacuation of 2x800 MW Gadarwara-II TPS, which is proposed in the next agenda item.

The load generation scenario of the study files is reviewed and is represented in **Annexure I**.

In the study files, Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS, along with an additional 1500 MW RE power at Mandsaur S/s, was considered. Further, the connectivity application no. 2200002384 for 2x800 MW Mahan TPS-3 of Mahan Energen Ltd. (MEL) was examined.

The proposal envisaged integration of 2x800 MW Mahan TPS-3 at the 400 kV level along with 2x600 MW Mahan TPS-1 (existing) and 2x800 MW Mahan TPS-2 (under construction). Accordingly, the study evaluates potential overloading and fault level issues after duly considering the transmission system proposed by MPPTCL.

To discuss the proposal, a joint study meeting is held on 15th & 16th January 2026 at CTUIL office, Gurgaon, with representatives from CEA, CTUIL, Grid India (WRLDC), and MPSTU (MPPTCL), wherein, after detailed deliberations on the proposed power evacuation arrangements through STU network, the following transmission system was agreed for implementation:

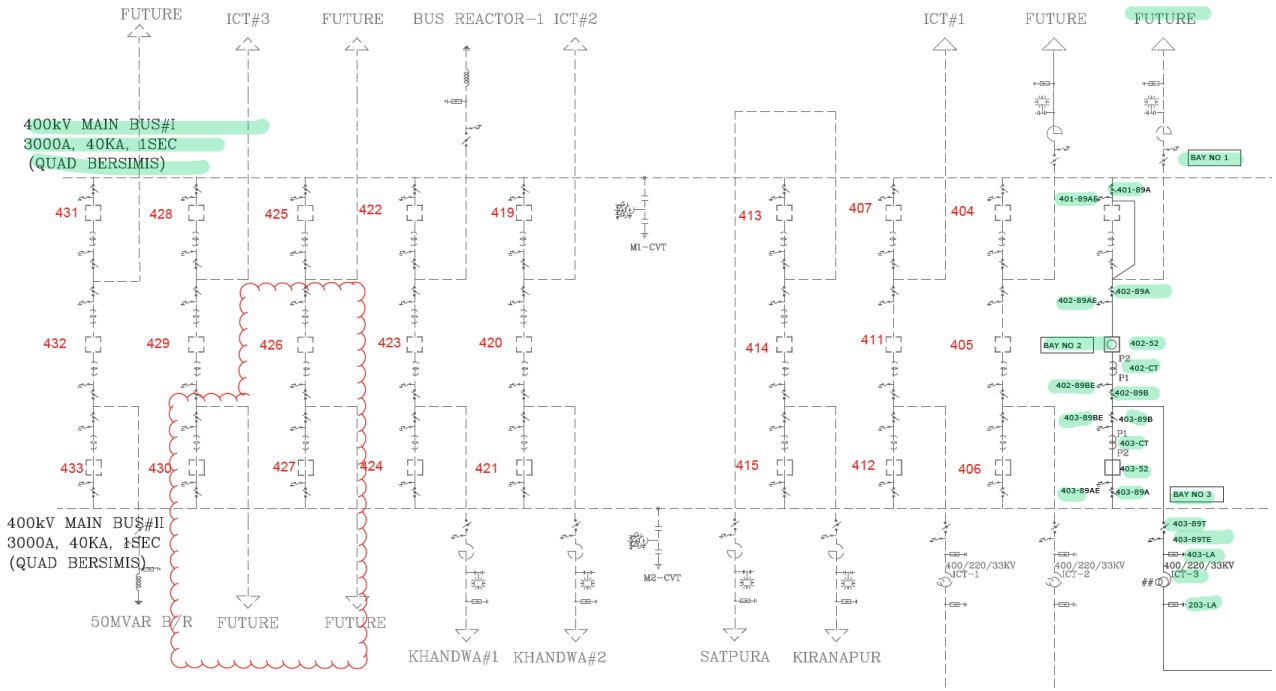
Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
		Part-A: Thermal Power Plant to STU Pooling Station	
1	400	M/s Adani Power Ltd. Switchyard (2x800MW) to Shahdol (STU) Pooling Station 400kV DCDS (Quad Moose / High Capacity) line. (Along with 125 MVAr 420 kV Bus Reactor at Generator end)	70km
2	400	M/s Torrent Power Ltd. Switchyard (2x800MW) to Shahdol (STU) Pooling Station 400kV DCDS (Quad Moose / High Capacity) line. (Along with 125 MVAr 420 kV Bus Reactor at Generator end)	50km
3	400	M/s Hindustan Power Ltd. Switchyard (1x800MW) to Shahdol (STU) Pooling Station 400kV DCDS (Quad Moose / High Capacity) line. (Along with 125MVAr 420kV Bus Reactor at Generator end)	50km
4	400	Establishment of 400kV STU Pooling Substation near Shahdol (With 1x125MVAr, 420kV Bus Reactor)	-
		Part-B: STU Network Transmission Work	

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
1	400/ 220/ 132	Establishment of 400/220/132kV STU Substation near Jabalpur (Towards Barela Side)	4x500MVA,400/220kV 4x200MVA, 220/132 + 2x125MVAR Bus Reactor
2	400	400kV STU Pooling Station (near Shahdol) - Jabalpur (STU) 400kV 2xDCDS (Quad Moose / High Capacity) line. (Alongwith 80MVAR switchable line reactor at Shahdol end of each 400kV circuit)	2x150km
3	220	LILO of both circuit of Amarkantak TPS - Jabalpur (Nagagaon) / Gorabazar 220kV line at Jabalpur (STU) 400kV S/s.	2x2x15km
4	220	LILO of both circuit of Panagar - Jabalpur (Sukha) 220kV line at Jabalpur (STU) 400kV S/s.	2x2x40km
5	132	LILO of both circuit of Gorabazar - Maneri 132kV line at Jabalpur (STU) 400kV S/s.	2x2x10Km
6	132	LILO of Jabalpur (Nagagaon) - Jabalpur (Vinoba Bhave) 132kV line at Jabalpur (STU) 400kV S/s.	2x15Km
7	220/ 132	Establishment of new 220/132/33kV Substation near Jabalpur (near Jhurjhuru)	2x200MVA, 220/132 + 2x50MVA, 132/33kV
8	220	220kV DCDS line from Jabalpur (STU) 400kV S/s to Jabalpur (near Jhurjhuru) (New) 220kV S/s. (Alongwith associated feeder bays)	30Km
9	132	LILO of Jabalpur (Nagagaon) - Jabalpur (VFJ) 132kV line at Jabalpur (near Jhurjhuru) (New) 220kV S/s	2x10Km
10	132	LILO of one circuit of Panagar - Dheemarkheda 132kV line at Jabalpur (near Jhurjhuru) (New) 220kV S/s	2x10Km

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
11	400	400kV STU Pooling Station (near Shahdol) -Amarpatan(TBCB-MTL) 400kV DCDS (Quad Moose / High Capacity) line. (Alongwith 63MVAR switchable line reactor on each 400kV circuit at both ends)	220km
12	400	LILO of one circuit of Damoh(PGCIL) – Katni(MPPTCL) 400kV D/C (Twin Moose) line at Amarpatan (TBCB) 400kV S/s. (Alongwith50MVAr Switchable line reactor at Amarpatan (TBCB) end for Damoh(PGCIL) – Amarpatan 400kV S/c line) *Note: The same shall be carried out after Upgrading the existing of 220kV Damoh- Katni S/c line to 400kV level*	90km
13	220/ 132	Establishment of new 220/132/33kV Substation near Nagod (Near Satna)	2x200MVA, 220/132 + 2x50MVA, 132/33kV
14	220	220kV DCDS line from Amarpatan (TBCB-MTL) 400kV S/s to Nagod (Near Satna) (New) 220kV S/s. (Alongwith associated feeder bays)	60Km
15	132	132kV DCDS line from Nagod (New) 220kV S/s to Nagod (Existing) 132kV S/s (Alongwith associated feeder bays)	10Km
16	132	132kV DCDS line from Nagod (New) 220kV S/s to Devendra Nagar (TBCB) 132kV S/s (Alongwith associated feeder bays)	30Km
17	400/ 220/ 132	Establishment of 400/220/132kV STU Substation near Gadarwara (Towards Narsinghpur Side)	3x500MVA,400/220kV 3x200MVA, 220/132 + 2x125MVAR Bus Reactor

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
18	400	Jabalpur (STU) - Gadarwara (STU) 400kV DCDS (Quad Moose / High Capacity) line. (Alongwith 63MVAR switchable line reactor on each 400kV circuit at Gadarwara end)	130km
19	400	Gadarwara (STU) - Mandideep (TBCB) 400kV DCDS (Quad Moose / High Capacity) line. (Alongwith 80MVAR switchable line reactor on each 400kV circuit at Gadarwara (STU) end)	150km
20	400	Gadarwara (STU) – Gadarwara switching station (765kV ISTS) 400kV DCDS line (Quad Moose / High Capacity) *	20km
21	220	LILO of both circuit of Narsinghpur - Chichli / Pipariya 220kV line at Gadarwara (STU) 400kV S/s	2x2x15Km
22	220	LILO of both circuit of Chichli - Udaipura 220kV line at Gadarwara (STU) 400kV S/s	2x2x15Km
23	132	Gadarwara (STU) 400 - Karapgaon 132kV DCDS line (Alongwith associated feeder bays)	30Km
24	132	Gadarwara (STU) 400 - Tendukheda 132kV DCDS line (Alongwith associated feeder bays)	30Km
25	132	Gadarwara (STU) 400 - Palohaabada 132kV DCDS line (Along with associated feeder bays)	15Km
26	132	Gadarwara (STU) 400 - Bankhedi 132kV DCDS line (Along with associated feeder bays)	40Km
27	132	LILO of one circuit of Gadarwara (STU)400 - Bankhedi 132kV line at Pondar (Saali Choka) 132kV S/s	2x5Km
28	220/ 132	Establishment of new 220/132/33kV Substation near Karakbel (Narsinghpur)	2x200MVA, 220/132 + 2x50MVA, 132/33kV
29	220	Gadarwara (STU) 400 - Karakbel(Narsinghpur) 220kV DCDS line (Alongwith associated feeder bays)	70Km

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
30	132	LILO of both circuit of Narsinghpur220 - Karakbel 132kV DCDS line at Karakbel (Narsinghpur) 220kV S/s	2x2x10Km
31	132	LILO of Narsinghpur132 - Shrinagar 132kV line at Karakbel (Narsinghpur) 220kV S/s	2x10Km
32	400/ 220/ 132	Establishment of 400/220/132kV STU Substation near Chhindwara (Towards Chourai side)	3x500MVA,400/220kV 3x200MVA, 220/132 + 2x125MVAR Bus Reactor
33	400	Jabalpur (STU) - Chindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line. (Alongwith with 50MVAr Switchable line reactor at Chhindwara end and 63 MVAr Switchable line reactor Jabalpur (STU) end on each 400kV circuit)	180km
34	400	Seoni (PGCIL)765 - Chhindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line. # (Note : 2 Nos. 400kV bays at Seoni (PGCIL) 765/400kV S/s shall be taken up under ISTS) Space confirmation from POWERGRID received vide e-mail dated 10.11.2025: *Space is available at Seoni Substation for 2 nos. 400kV Line Bays as detailed below:* *1. Bays no. 430 (In existing diameter of 765kV ICT-3) and 426&427 (New diameter to be created) can be used for Termination of 400kV Lines (SLD is attached).* *2. Line Reactor available in the space for New diameter is Cold Spare and can be shifted if required. Cost of shifting / new foundation to be considered in project cost.* *Space Availability is marked in in Red Rectangle in the attached Google Earth Screen Shot of Seoni SS. Feasibility of Line Termination in the space available may be verified by MPPTCL/Concerned also.*	60Km

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
			
35	220	LILO of both circuit of Seoni (PGCIL) - Chhindwara (MPPTCL) 220kV line at Chhindwara (STU) 400kV S/s	2x2x5Km
36	220	LILO of both circuit of Chhindwara (MPPTCL) - Pandhurna / Betul 220kV line at Chhindwara (STU) 400kV S/s	2x2x15Km
37	132	LILO of both circuit of Chhindwara220 (MPPTCL) - Chourai / Amarwada 132kV line at Chhindwara (STU) 400kV S/s	2x2x10Km

Sl. No.	kV Level	Proposed Transmission Infrastructure	Approx. Line Length (Km) / Substation Capacity (MVA)
38	132	LILO of one circuit of Chhindwara (MPPTCL) - Saori 132kV line at Chhindwara (STU) 400kV S/s	2x15Km
39	132	LILO of one circuit of Chand (TBCB) - Bichhua 132kV line at Chhindwara (STU) 400kV S/s	2x15 km
40	220/ 132	Establishment of new 220/132/33kV Substation near Waraseoni (Balaghat)	2x200 MVA, 220/132 kV + 2x50MVA, 132/33 kV
41	220	Chhindwara (STU)400 - Waraseoni (Balaghat) 220kV DCDS (High Capacity - 1400Amps & above) line (Alongwith associated feeder bays)	120Km
42	132	LILO of Warseoni (Existing) - Balaghat 132kV line at new Warseoni (Balaghat) 220kV S/s	2x10 km
43	132	LILO of Katangi - Seoni 132kV line at new Warseoni (Balaghat) 220kV S/s	2x10 km
44	132	LILO of Balaghat - Lalbarra 132kV line at new Warseoni (Balaghat) 220kV S/s	2x15 km

** 2x1500MVA 765/400kV ICTs and 2 Nos. 400kV bays at Gadarwara switching station (ISTS) shall be taken up under ISTS in a matching time frame (requirement to be intimated by MPPTCL in advance to CTUIL)*

 # 2 Nos. 400kV bays at Seoni (PGCIL) 765/400kV S/s shall be taken up under ISTS in a matching time frame (requirement (w.r.t. time-line) to be intimated by MPPTCL in advance to CTUIL)

- Implementation time-frame: FY 2030-31 (Matching with 3 Nos. TPPs project timelines)
- A Schematic map indicating the proposed power evacuation system is enclosed as **Annexure-II** for reference and load flow results at **Annexure-III**.

In addition to the above, the following points were noted during the joint study meeting:

1. In case of non-availability of space for the construction of a feeder bay at the existing EHV Substation for termination of the proposed transmission line, then the option for LILO of any existing line or alternate option may be explored by STU.
2. All Switchable Line Reactors will have an NGR bypass arrangement.
3. Substation Design Fault level at 400kV level shall be 63kA (1s) and 220kV shall be 50kA (1s) be considered.
4. Sufficient space provision to be kept at the proposed EHV STU substation at each voltage level for future expansion works.
5. Wherever a Quad Moose conductor is specified, the same may be implemented with Quad ACSR/AAAC/AL59 moose equivalent conductors for a maximum operating conductor temperature of 85 °C. Wherever a High-Capacity conductor is specified, the same shall be implemented in Twin HTLS conductors with a minimum capacity of 2100 MVA at nominal voltage. MPPTCL may clarify the type of conductor configuration to be used in each line (Quad Mosse or Twin HTLS) as per the requirement.

It was decided that MPPTCL shall inform CTU as and when the above scheme goes under the tendering process, with firm time-lines, so that augmentation required under ISTS can be taken up, in a matching time-frame [at Gadarwara switching station (2x1500MVA 765/400kV ICTs and 2 Nos. 400kV bays) and at Seoni (PGCIL) 765/400kV S/s (2 nos. 400kV bays)]. The proposed interconnections shall help in improving the reliability of power supply in the Gadarwara and Chhindwara areas of Madhya Pradesh.

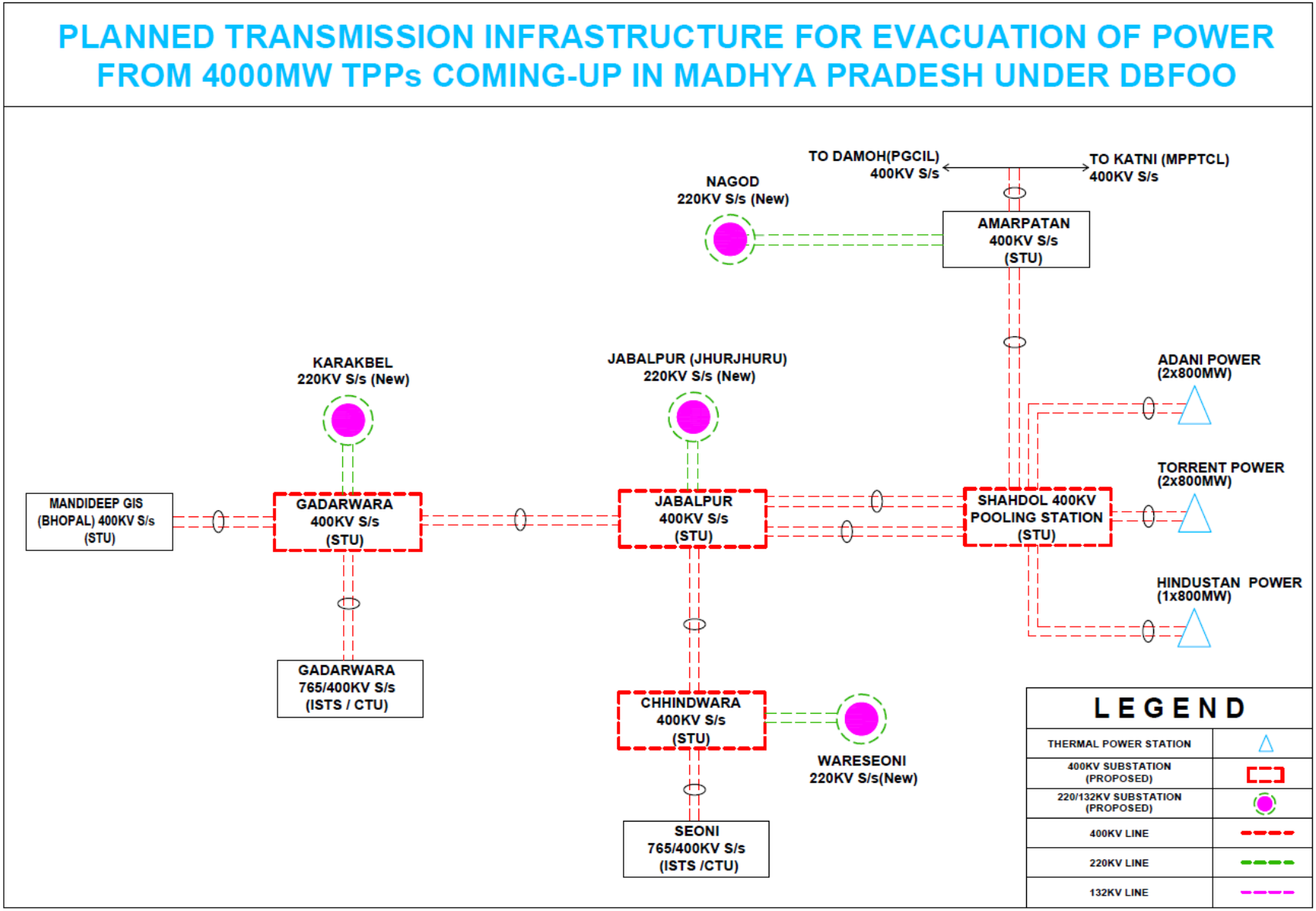
MPPTCL stated that PSAs have been signed by MPPMCL from the above generating stations in Jan-26, and the implementation timeframe of the above scheme may be considered as **March 2031**. In view of the above, the following scope of work was agreed to be implemented under ISTS in the matching time frame; however, the same may be clubbed under Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500MW RE power at Mandsaur S/s, which is being deliberated in next section:

Network Expansion works in the Gadarwara & Chhindwara areas of Madhya Pradesh	
Scope of the Transmission Scheme	**Capacity/ Route length**
Creation of 400 kV level and Implementation of 2x1500 MVA 765/400 kV ICTs along with 2 Nos. 400 kV bays at 765 kV Gadarwara switching station (ISTS)	• 765/400 kV, 1500 MVA ICT – 2 Nos. • 765kV ICT bay – 2 Nos. • 400 kV ICT bay – 2 Nos. • 400kV line bays – 2 Nos.
2 Nos. 400kV bays at Seoni (PG) 765/400kV S/s *(refer Note 1)*	• 400kV line bays – 2 Nos. [for Seoni (PG) 765 - Chhindwara (STU) 400kV DCDS (Quad Moose / High Capacity) line]

Implementation timeframe: *31.03.2031*

Note:

1. *As per feedback from TSP (POWERGRID) of Seoni (PG) Substation, Bays no. 430 (In existing diameter of 765 kV ICT-3) and 426 & 427 (New diameter to be created) can be used for Termination of 400 kV Lines. Further, the Line Reactor available in the space for a new diameter is a Cold Spare and can be shifted if required. The scope of shifting/new foundation shall be considered in the present scope of work.*


PLANNED TRANSMISSION INFRASTRUCTURE FOR EVACUATION OF POWER FROM 4000MW TPPs COMING-UP IN MADHYA PRADESH UNDER DBFOO
TO DAMOH(PGCIL) 400KV S/s
TO KATNI (MPPTCL) 400KV S/s
NAGOD 220KV S/s (New)
AMARPATAN 400KV S/s (STU)
KARAKBEL 220KV S/s (New)
JABALPUR (JHURJHURU) 220KV S/s (New)
ADANI POWER (2x800MW)
TORRENT POWER (2x800MW)
MANDIDEEP GIS (BHOPAL) 400KV S/s (STU)
GADARWARA 400KV S/s (STU)
JABALPUR 400KV S/s (STU)
SHAHDOL 400KV POOLING STATION (STU)
HINDUSTAN POWER (1x800MW)
GADARWARA 765/400KV S/s (ISTS / CTU)
CHHINDWARA 400KV S/s (STU)
WARESEONI 220KV S/s(New)
SEONI 765/400KV S/s (ISTS /CTU)
LEGEND
THERMAL POWER STATION
400KV SUBSTATION (PROPOSED)
220/132KV SUBSTATION (PROPOSED)
400KV LINE
220KV LINE
132KV LINE

Agenda 2: Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500MW RE power at Mandsaur S/s.

The following was informed with respect to Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s:

a) As of date, more than 6.5 GW connectivity applications have been received in the Mandsaur region, out of which 4.5 GW applications have been agreed/granted with the below systems, which are under various stages of implementation:

- Establishment of 765/400 kV Mandsaur S/s
- Mandsaur - Indore 765 kV D/c line
- Mandsaur - Kurawar 765 kV D/c line
- Augmentation of transformation capacity at Mandsaur S/s for RE Interconnection
- Mandsaur PS - Khandwa (New) PS 765 kV D/c line

b) Connectivity Application from NTPC has also been received for their 2x800MW Gadarwara-II TPS (Appl. No. 2200001532), which was deliberated in the 36th CMETS-WR meeting held on 26th-28th May 2025 and further in the 39th CMETS-WR meeting held on 11.11.2025 (refer deliberations below).

c) To ensure evacuation of power from 2x800 MW Gadarwara-II TPS without overloading the existing system (Gadarwara – Jabalpur & Gadarwara-I TPS – Warora PS 765 kV D/c lines) as well as alleviate high loading on Kurawar-Bhopal 765 kV S/c line, detailed system studies were carried out, and a new corridor has been planned in 36th CMETS-WR meeting held on 26th-28th May 2025 to reliably evacuate RE power coming from Northern region, Mandsaur & Kurawar areas in Madhya Pradesh and also from Gadarwara-II TPS:

- Establishment of 765 kV Gadarwara switching station with 2x330 MVAR 765kV bus reactors
- LILO of Jabalpur – Bhopal 765 kV S/c line at Gadarwara switching station (~54Km LILO route length)

- Kurawar- Gadarwara Switching Station 765 kV D/c line (~230Km) along with 240MVAr Switchable Line Reactors on each ckt at both ends
- Nagpur – Gadarwara Switching Station 765 kV D/c line (~250Km) along with 240MVAr Switchable Line Reactors on each ckt. at both ends

d) The above scheme was agreed in the 36th CMET-WR meeting, and comments, if any, were to be shared by GRID-INDIA on the study files after the meeting. However, from the short circuit analysis, it was observed that the short circuit level at Jabalpur PS reaches ~59kA and at Gadarwara-I TPS to ~52kA with the proposed system, which is much beyond the design limit. Hence, the studies were agreed to be reviewed further, and an optimum transmission system would be worked out.

e) Hence, the system study was again reviewed and put up for deliberations in the 39th CMETS-WR meeting held on 11.11.2025 as per details below:

Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC):

- 330MVAR, 765kV Bus Reactor provision at Bus Section-II (to be implemented by NTPC).
- 765kV Bus Sectionaliser arrangement at 765kV level of Gadarwara Switchyard [such that Jabalpur (D/c line bays), 2x800MW Gadarwara-I TPS & existing 330MVAr Bus Reactor are on Bus Section-I and Warora (D/c line bays), 2x800MW Gadarwara-II TPS & proposed 330MVAr Bus Reactor are on Bus Section-II] – normally OPEN and may be closed as per Grid requirement.

Common Transmission System Augmentation for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of ISTS):

- Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors
- Kurawar - Gadarwara switching station 765 kV D/c line (~230Km) with LILO of one circuit at Bhopal (BDTCL) S/s:
    - 240MVAr switchable Line Reactors at both ends of Kurawar – Gadarwara switching station 765kV S/c line

- 240MVAr switchable Line Reactors at the Bhopal end of the Bhopal - Gadarwara switching station 765 kV S/c line

Associated Transmission System for 2x800 MW Gadarawara-II TPS of NTPC Ltd.:

- Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line along with bays at both ends (~10Km)

f) In the meeting, MPPTCL was requested to update their proposed schemes in the updated PSSE files (scenarios 4, 5, and 8) and revert with updated study files to CTU so that further studies can be conducted towards finalisation of the transmission system for the evacuation of power from 2x800 MW Gadarwara-II TPS.

g) In the above backdrop, detailed system studies were carried out in the joint study meeting held on 15.01.26 & 16.01.26, and a new corridor was evolved in order to facilitate:

- Evacuation of up to 6 GW RE capacity at Mandsaur PS (i.e., an additional 1500MW capacity beyond 4500 MW RE already granted)
- Evacuation of additional RE power coming from Rajasthan (Northern region) and dispersal in the Western Region with reliability
- Evacuation of power from Gadarwara expansion project (2x800 MW)
- Arrest overloading observed on the existing system (Gadarwara – Jabalpur & Gadarwara – Warora PS 765 kV D/c lines) with the above proposed injections
- Alleviate high loading on Kurawar-Bhopal 765kV S/c line
- Keeping fault levels at various substations in the Gadarwara/Jabalpur area within limits

Load flow studies are attached at **Annexure-III**.

h) Regarding the nature of Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line, the reference may be made to the recent CERC order dated 13/02/2026 in Petition No. 824/TL/2025, wherein it has been observed that:

"28. We note the regulatory provision for the evacuation of power from the generating stations connecting to the ISTS is defined under the Act and the 2022 GNA Regulations. The relevant extracts of Sections 2(16) and 10(1) of the Electricity Act, 2003 are as under:

> *"2 (16) "dedicated transmission lines" means any electric supply-line for point to point transmission which are required for the purpose of connecting electric lines or electric plants of a captive generating plant referred to in section 9 or generating station referred to in section 10 to any transmission lines or substations or generating stations, or the load center, as the case may be;….."*
> *Section10. (Duties of generating companies): (1) Subject to the provisions of this Act, the duties of a generating company shall be to establish, operate and maintain generating stations, tie-lines, sub-stations and dedicated transmission lines connected therewith in accordance with the provisions of this Act or the rules or regulations made thereunder."*
> ****
>
> *The relevant extracts of Regulation 12.1 of the 2022 GNA Regulations are as under:*
>
> *"**12. Dedicated Transmission Lines and Bay(s)***
> *12.1 In case Connectivity grantee is a generating station or a captive generating plant or a standalone ESS, the dedicated transmission lines shall be established, operated, and maintained by such Connectivity grantee".*

*The combined reading of the above provisions reveals that the **Dedicated Transmission Line (DTL) is any supply line connecting generating plants to any transmission line or sub-station. The Dedicated Transmission Line (DTL) emanating from a generating station is required to be established, operated, and maintained by such generating station."***

i) In view of the above, Gadarwara-II TPS (Bus Section-II) – Gadarwara switching station 765 kV D/c line (~10km) along with bays at both ends, was agreed to be implemented by NTPC as part of its dedicated transmission line, matching with the establishment of Gadarwara switching station during the subject joint study meeting. Details of the transmission system under ISTS agreed in the joint study meeting are given below:

Common Transmission System Augmentation for evacuation of power from 2x800 MW Gadarwara-II TPS and an additional 1500 MW RE power at Mandsaur S/s		
Sl. No.	**Scope of the Transmission Scheme**	**Capacity/ Route length**
1.	Augmentation of Transformation capacity by 2x1500 MVA, 765/400 kV ICT (5th& 6th) (Terminated at 400 kV & 765kV Bus Section-II) at Mandsaur PS.	765/400 kV, 1500 MVA ICT – 2 No. 765kV ICT bay – 2 No. on Sec-II 400 kV ICT bay – 2 No. on Sec-II.
2.	Augmentation of Transformation capacity by 3x500MVA, 400/220kV ICT (8th,9th& 10th) (Terminated on 400 kV Bus Section-II & 220kV Bus Section-III) at Mandsaur PS.	3x500MVA, 400/220kV ICT – 3 No. 400 kV ICT bay - 3 No. on Sec-II 220kV ICT bay - 3 No. on Sec-III.
3.	±400MVAr STATCOM at Mandsaur S/s	±400MVAr STATCOM – 1 No. 400kV bay - 1 No. on Sec-II
4.	Establishment of 765 kV Gadarwara switching station along with 2x330 MVAR 765kV bus reactors	
5.	Kurawar - Gadarwara switching station 765 kV D/c line (~230Km) with LILO of one circuit at Bhopal (BDTCL) S/s: ○ 240MVAr switchable Line Reactors at both ends of Kurawar – Gadarwara switching station 765kV line ○ 240MVAr switchable Line Reactors at Bhopal end of Bhopal - Gadarwara switching station 765 kV line	Refer Note

Note:

1. *With the above proposal at Sl. No. 5, the following lines will be established:*
   - *Kurawar - Gadarwara switching station 765 kV S/c line (~230km),*
   - *Kurawar- Bhopal (BDTCL) 765 kV S/c line (~60Km)*
   - *Bhopal (BDTCL) - Gadarwara switching station 765 kV S/c line (~200km)*

2. *2x1500MVA 765/400kV ICTs and 2 Nos. 400kV bays at Gadarwara-II (ISTS) shall be taken up under ISTS in the matching time-frame of Gadrawara-II – Gadarwara (STU) 400kV D/c line of MPPTCL (requirement to be intimated by MPPTCL in advance to CTUIL)*

Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC):

- Provision of 330MVAR, 765kV Bus Reactor at Gadarwara -II TPS switchyard (Bus Section-II).

- 765kV Bus Sectionaliser arrangement at Gadarwara Switchyard, such that:

  - Jabalpur (D/c line bays), 2x800MW Gadarwara-I TPS and existing 330MVAr Bus Reactor are on Bus Section-I and
  - Warora (D/c line bays), 2x800MW Gadarwara-II TPS & proposed 330MVAr Bus Reactor are on Bus Section-II.
  - The sectionalizer shall normally remain OPEN and may be closed, as per the Grid requirement.

- Gadarwara-II TPS (Sec-II) – Gadarwara switching station (ISTS) 765 kV D/c line (~10km) along with bays at both ends

MPPTCL & GRID-INDIA stated that they agree with the proposal. No comments were received from the other STUs.

NTPC stated that Gadarwara-II TPS (Sec-II) – Gadarwara switching station (ISTS) 765 kV D/c line (~10km), along with bays at both ends, has been proposed under the Dedicated Transmission System for 2x800 MW Gadarwara-II TPS of NTPC Ltd. (under the scope of NTPC). However, since the interconnection shall also be utilised for ISTS purposes (for the transfer of power from Gadarwara

switching station (ISTS) to Warora PS via Gadarwara-II TPS (Sec-II)), the same may be implemented under ISTS, and they are ready to provide BG towards ATS for the same, as was proposed in earlier CMETS-WR meetings.

It was clarified that the proposal (for considering the interconnecting line as ATS) was made based on a limited understanding prior to the CERC order. In the recent CERC order dated 13/02/2026 in Petition No. 824/TL/2025, the regulatory provision for the evacuation of power from the generating stations connecting to the ISTS as defined under the Electricity Act and the 2022 GNA Regulations has been amply clarified and it is beyond doubt that the proposed interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) S/s is a Dedicated Transmission Line.

NTPC stated that in such a situation, LILO of Gadarwara-II TPS (Sec-II) – Warora 765 kV D/c line at Gadarwara switching station (ISTS) may be considered instead of the proposed direct interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS), and LILO of an ISTS line may be considered as ATS.

It was informed that a Dedicated Transmission Line (DTL) is any supply line connecting generating plants to any transmission line or sub-station, and even in the case of LILO, direct interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS) is being established, and hence at least one part of LILO that leads to the above direct interconnection would still be dedicated in nature, considering that 2x800 MW Gadarwara-II TPS of NTPC Ltd. will be utilising Gadarwara switching station (ISTS) for evacuation of power.

NTPC stated that the possibility of evacuation of power from their 2x800 MW Gadarwara-II TPS solely through Gadarwara-II TPS (Sec-II) – Warora 765kV D/c line may also be explored without the need for interconnection between Gadarwara-II TPS (Sec-II) & Gadarwara switching station (ISTS).

In this respect, it was informed that Gadarwara-II TPS (Sec-II) – Warora 765kV D/c line is an ISTS line and the same was part of Orai – Jabalpur – Gadarwara TPS – Warora – Warangal inter-regional corridor. The same was being utilised for the evacuation of power from 2x800 MW Gadarwara-I TPS as well as for ISTS purposes as an inter-regional corridor. Now, due to the subject application for 2x800 MW Gadarwara-II TPS, there was a need to plan an additional transmission system with due consideration of the high fault

levels at Jabalpur PS, which was also discussed in the 36th CMETS-WR meeting held on 26th-28th May 2025 and the 39th CMETS-WR held on 11.11.2025. After detailed studies, the only option was to split the Gadarwara TPS Switchyard and reduce fault contribution towards Jabalpur PS by installing a 765kV Bus Sectionaliser arrangement at Gadarwara Switchyard, such that:

- Jabalpur (D/c line bays), 2x800 MW Gadarwara-I TPS, and the existing 330 MVAr Bus Reactor are on Bus Section-I and
- Warora (D/c line bays), 2x800 MW Gadarwara-II TPS & proposed 330 MVAr Bus Reactor are on Bus Section-II.
- The sectionalizer shall normally remain OPEN and may be closed, as per the Grid requirement.

Now, the Orai (NR) – Jabalpur (WR) – Gadarwara TPS – Warora (WR) – Warangal (SR) inter-regional corridor will no longer exist due to the above proposed splitting arrangement. In order to establish another 765 kV inter-regional corridor, which can help disperse power across the ISTS Grid in a reliable manner across various planning scenarios, Beawar/Rishabdeo/Sirohi (NR) - Mandsaur (WR) – Kurawar (WR) - Gadarwara switching station (ISTS) (WR) – Gadarwara-II TPS (Sec-II) – Warora (WR) – Warangal (SR) inter-regional corridor has been planned. The corridor would help in:

- Evacuation of up to 6 GW RE capacity at Mandsaur PS (i.e., an additional 1500 MW capacity beyond 4500 MW RE already granted)
- Evacuation of additional RE power coming from Rajasthan (Northern region) and dispersal in the Western Region with reliability
- Evacuation of power from 2x800MW Gadarwara-II TPS
- Arrest overloading observed on the existing system (Gadarwara – Jabalpur & Gadarwara – Warora PS 765 kV D/c lines) with the above proposed injections
- Alleviate high loading on Kurawar-Bhopal 765 kV S/c line
- Keeping fault levels at various substations in the Gadarwara / Jabalpur area within limits

Hence, the proposal of NTPC to isolate and grant connectivity to 2x800 MW Gadarwara-II at Warora S/s without any interconnection with Gadarwara switching station (ISTS) would be detrimental to the Central ISTS Grid of the Nation. Moreover, the use of said ISTS

line (Gadarwara-II TPS (Sec-II) – Warora 765kV D/c line) solely for the evacuation of power for 2x800 MW Gadarwara-II TPS of NTPC would lead to gross underutilisation of an ISTS asset whose tariff is being borne by all DICs.

Representative of NTPC requested some more time to study the said proposals, as they had not taken into account the cost of the proposed dedicated transmission line under their scope earlier. NTPC also requested that the system be finalised in such a manner that it can come up matching with their 2x800 MW Gadarwara-II TPS, i.e., May 2029.

It was informed that the system has been planned after extensive deliberations with all stakeholders in WR in the Joint Study meeting held on 15.01.26 & 16.01.26 and taking into account multiple issues (including fault level issues, new generation capacity additions planned by MPPTCL in Shahdol area, Additional Thermal application received from Mahan Energen Ltd. (2x800 MW Mahan TPS-III), etc.). In case the same is now objected by NTPC solely to avoid implementation of a dedicated transmission line as per the provisions of the Electricity Act and GNA Regulations, it would be very difficult to match the timelines of transmission system and generation project.

NTPC acknowledged the difficulties in planning the transmission system; however, NTPC requested that the transmission system be discussed again in the next CMETS-WR meeting by which time they shall evaluate the proposal at their end.

After deliberations, it was decided to discuss the matter again in next meeting.

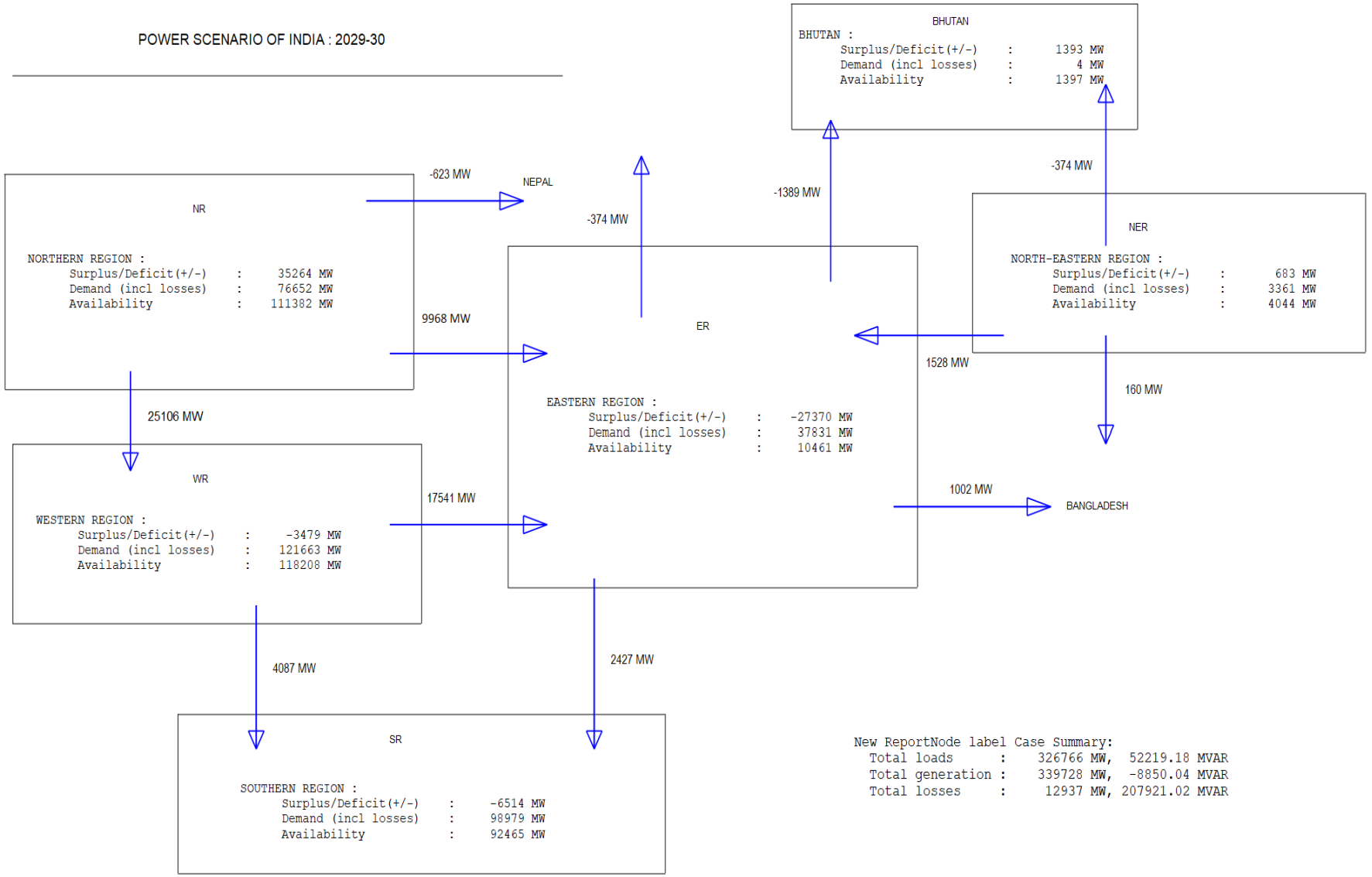
Annexure-I

Solar Max (Winter)

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, JAN 15 2026 11:43

ZONE TOTALS
IN MW/MVAR

X-- ZONE --X	FROM GENE-RATION	FROM IND GENERATN	TO IND MOTORS	TO LOAD	TO BUS SHUNT	TO GNE BUS DEVICES	TO LINE SHUNT	TO XFRMR MAGNE-TIZING	FROM CHARGING	TO LOSSES	-NET INTERCHANGE- TO TIE LINES	TO TIES + LOADS
361	6578.1	0.0	0.0	21545.9	0.0	0.0	0.0	0.0	0.0	493.2	-15461.0	-16565.1
MP_STU	552.5	0.0	0.0	4185.0	-317.4	0.0	1647.3	-0.0	9837.4	4569.0	306.0	306.0
362	23731.9	0.0	0.0	1454.2	0.0	0.0	0.0	0.0	0.0	530.6	21747.1	22851.3
MP_ISTS	2479.7	0.0	0.0	90.0	8856.1	0.0	23446.1	-0.0	39948.7	12196.6	-2160.4	-2160.4
COLUMN	30310.0	0.0	0.0	23000.0	0.0	0.0	0.0	0.0	0.0	1023.8	6286.1	6286.1
TOTALS	3032.2	0.0	0.0	4275.0	8538.7	0.0	25093.4	0.0	49786.1	16765.6	-1854.4	-1854.4

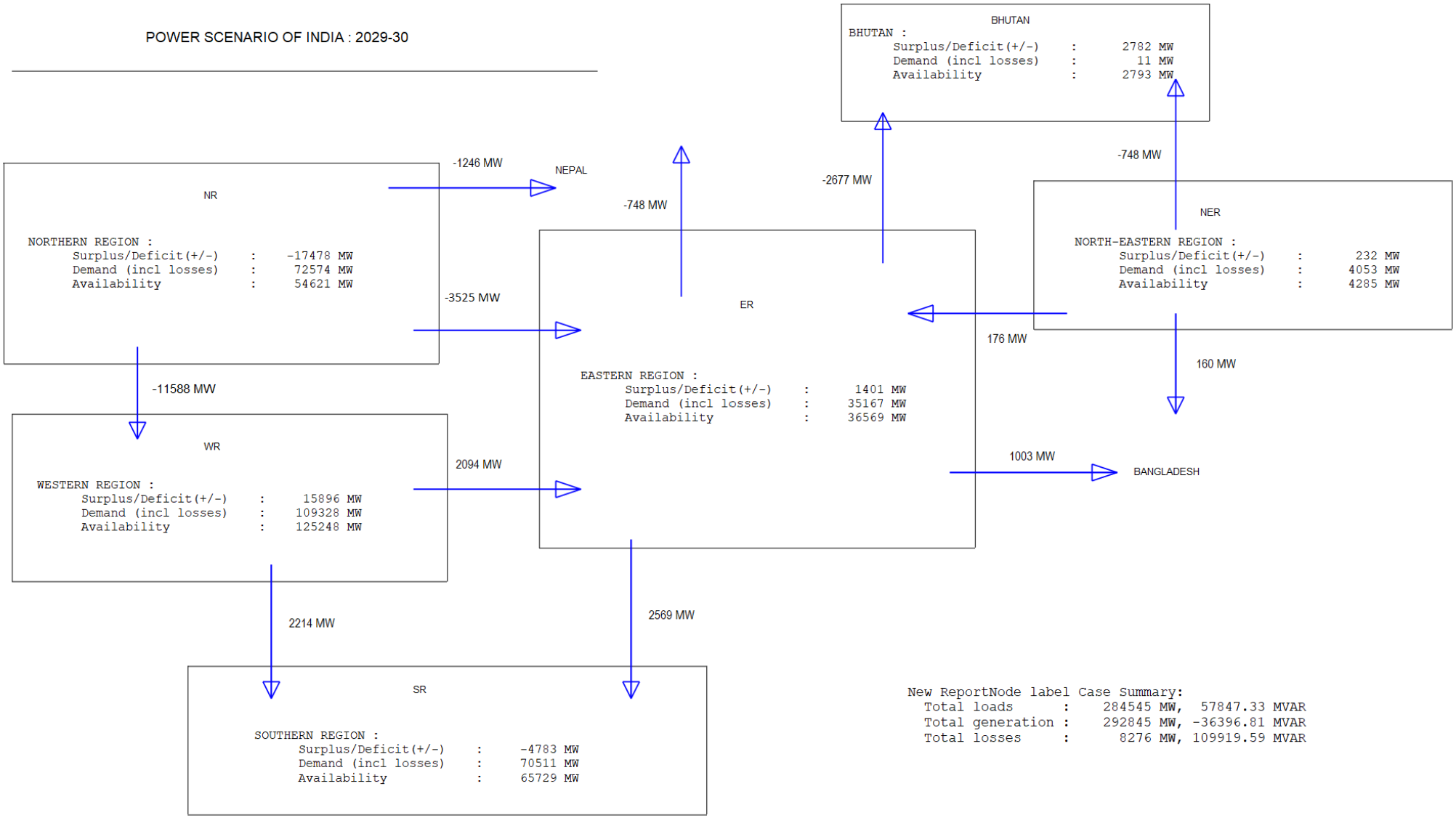

POWER SCENARIO OF INDIA : 2029-30
BHUTAN
BHUTAN :
Surplus/Deficit(+/-) : 1393 MW
Demand (incl losses) : 4 MW
Availability : 1397 MW
-623 MW
NEPAL
-374 MW
-1389 MW
-374 MW
NR
NORTHERN REGION :
Surplus/Deficit(+/-) : 35264 MW
Demand (incl losses) : 76652 MW
Availability : 111382 MW
NER
NORTH-EASTERN REGION :
Surplus/Deficit(+/-) : 683 MW
Demand (incl losses) : 3361 MW
Availability : 4044 MW
9968 MW
ER
1528 MW
160 MW
EASTERN REGION :
Surplus/Deficit(+/-) : -27370 MW
Demand (incl losses) : 37831 MW
Availability : 10461 MW
25106 MW
1002 MW
BANGLADESH
WR
WESTERN REGION :
Surplus/Deficit(+/-) : -3479 MW
Demand (incl losses) : 121663 MW
Availability : 118208 MW
17541 MW
4087 MW
2427 MW
SR
SOUTHERN REGION :
Surplus/Deficit(+/-) : -6514 MW
Demand (incl losses) : 98979 MW
Availability : 92465 MW
New ReportNode label Case Summary:
Total loads : 326766 MW, 52219.18 MVAR
Total generation : 339728 MW, -8850.04 MVAR
Total losses : 12937 MW, 207921.02 MVAR

Evening Peak (Winter)

PTI INTERACTIVE POWER SYSTEM SIMULATOR--PSS(R)E THU, JAN 15 2026 12:46

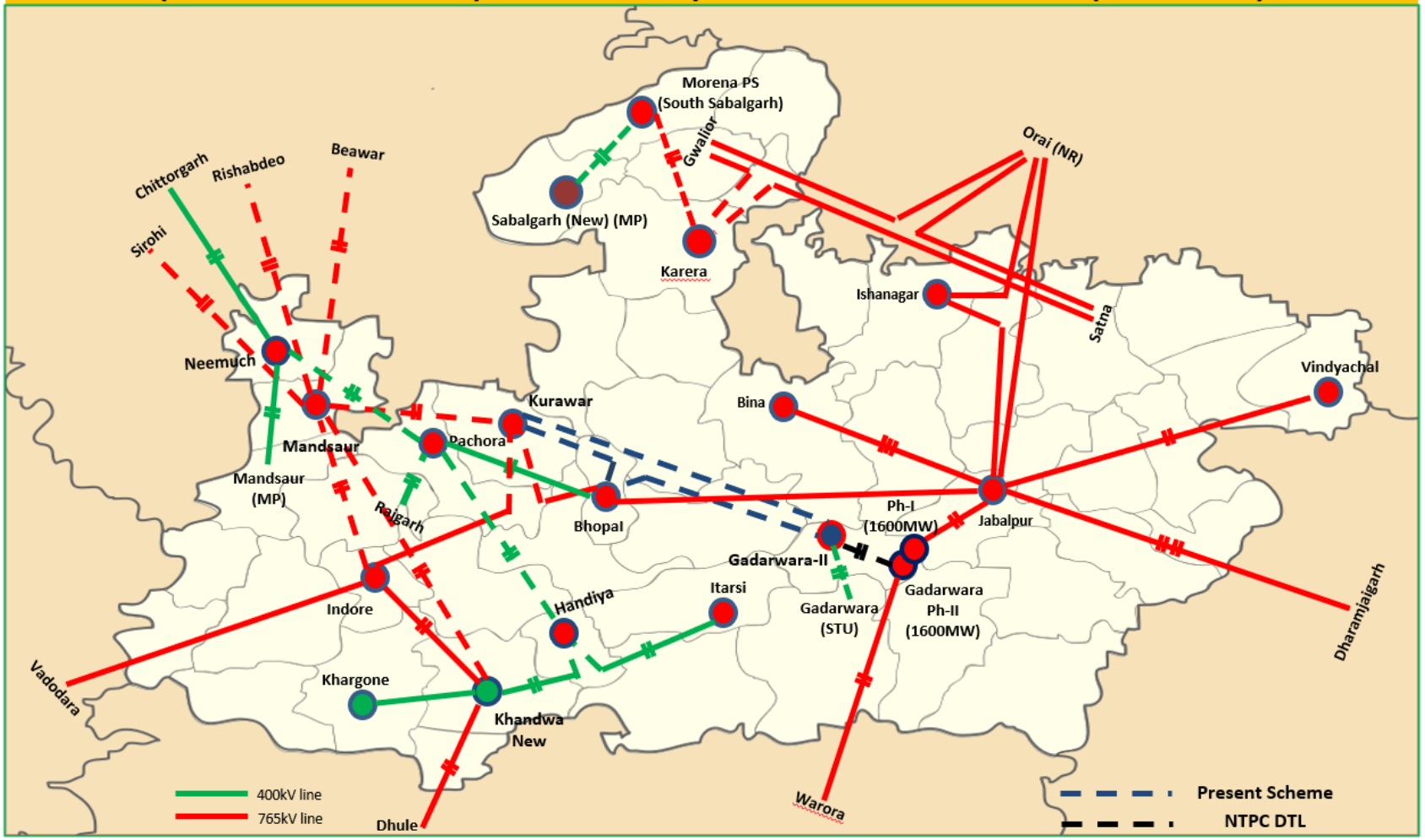
ZONE TOTALS
IN MW/MVAR

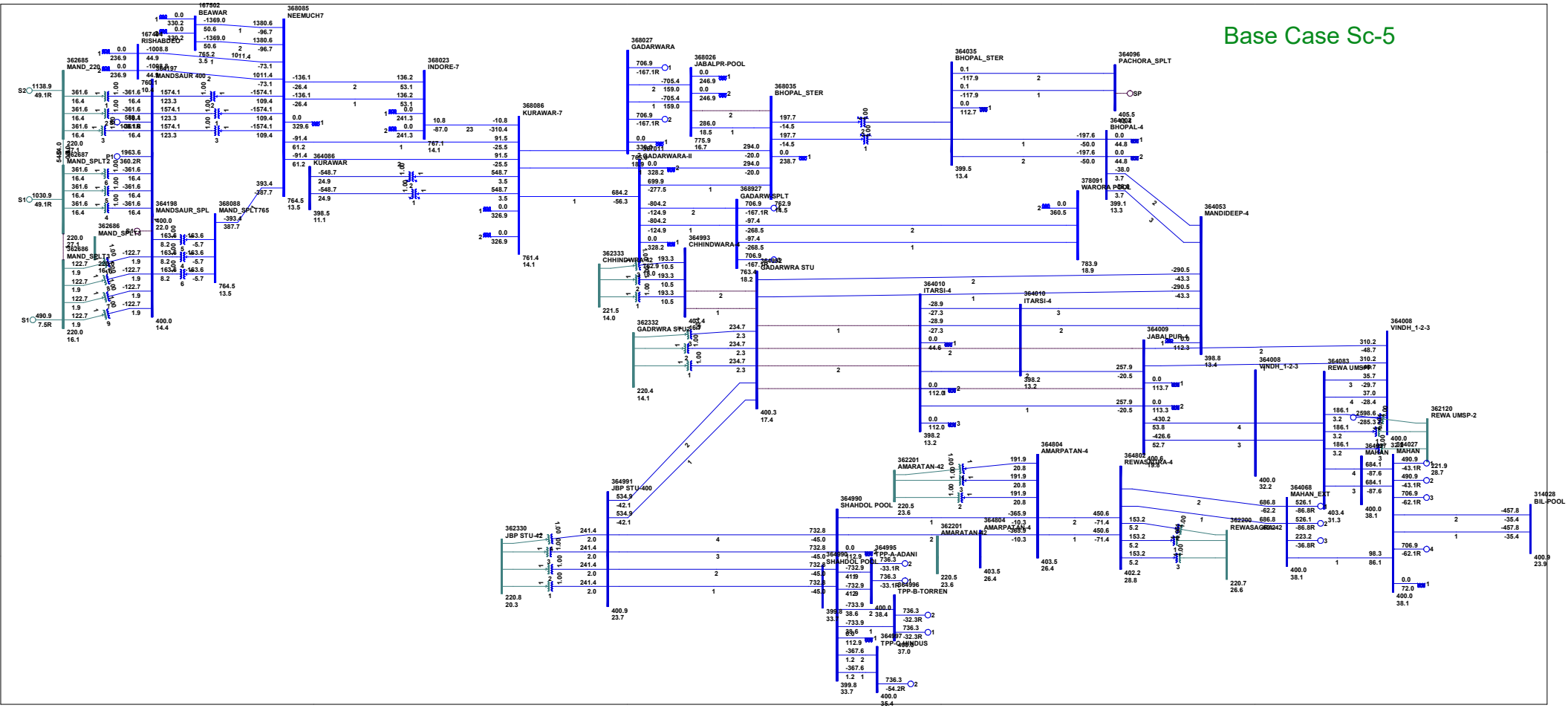
X-- ZONE --X	FROM GENE- RATION	FROM IND GENERATN	TO IND MOTORS	TO LOAD	TO BUS SHUNT	TO GNE BUS DEVICES	TO LINE SHUNT	TO XFRMR MAGNE- TIZING	FROM CHARGING	TO LOSSES	-NET INTERCHANGE- TO TIE LINES	TO TIES + LOADS
361	11601.9	0.0	0.0	24491.9	0.0	0.0	0.0	0.0	0.0	686.1	-13576.2	-14284.3
MP_STU	1975.4	0.0	0.0	4965.7	917.8	0.0	1558.8	-0.0	9755.9	6779.7	-2490.7	-2490.7
362	25343.3	0.0	0.0	1058.1	0.0	0.0	0.0	0.0	0.0	331.0	23954.2	24662.4
MP_ISTS	-852.6	0.0	0.0	90.0	9069.3	0.0	25658.0	-0.0	40660.5	6871.0	-1880.4	-1880.4
COLUMN	36945.2	0.0	0.0	25550.0	0.0	0.0	0.0	0.0	0.0	1017.1	10378.1	10378.1
TOTALS	1122.8	0.0	0.0	5055.7	9987.2	0.0	27216.7	0.0	50416.3	13650.7	-4371.1	-4371.1

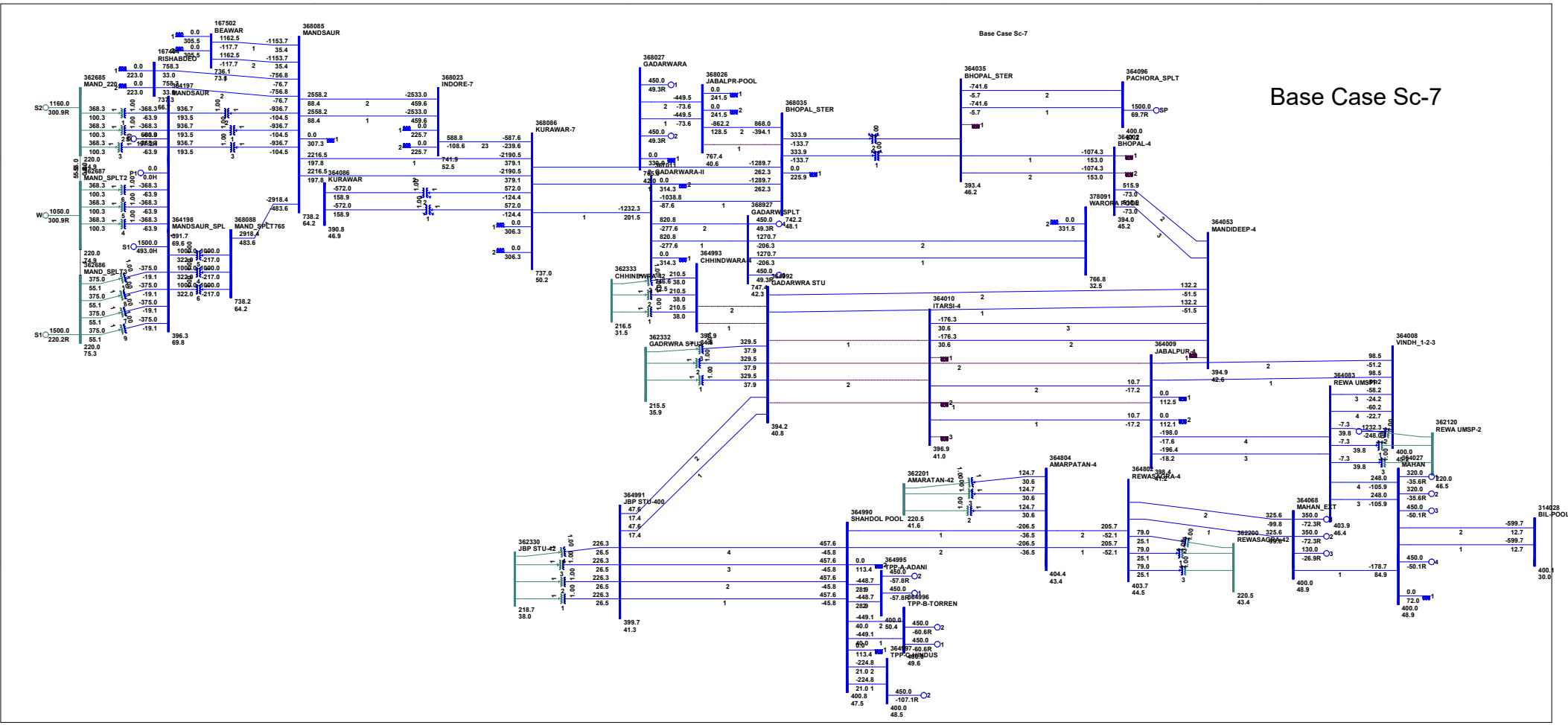

POWER SCENARIO OF INDIA : 2029-30
BHUTAN
BHUTAN :
Surplus/Deficit(+/-) : 2782 MW
Demand (incl losses) : 11 MW
Availability : 2793 MW
NR
NORTHERN REGION :
Surplus/Deficit(+/-) : -17478 MW
Demand (incl losses) : 72574 MW
Availability : 54621 MW
-1246 MW
NEPAL
-748 MW
-2677 MW
-748 MW
NER
NORTH-EASTERN REGION :
Surplus/Deficit(+/-) : 232 MW
Demand (incl losses) : 4053 MW
Availability : 4285 MW
-3525 MW
ER
EASTERN REGION :
Surplus/Deficit(+/-) : 1401 MW
Demand (incl losses) : 35167 MW
Availability : 36569 MW
176 MW
160 MW
-11588 MW
WR
WESTERN REGION :
Surplus/Deficit(+/-) : 15896 MW
Demand (incl losses) : 109328 MW
Availability : 125248 MW
2094 MW
1003 MW
BANGLADESH
2214 MW
2569 MW
SR
SOUTHERN REGION :
Surplus/Deficit(+/-) : -4783 MW
Demand (incl losses) : 70511 MW
Availability : 65729 MW
New ReportNode label Case Summary:
Total loads : 284545 MW, 57847.33 MVAR
Total generation : 292845 MW, -36396.81 MVAR
Total losses : 8276 MW, 109919.59 MVAR

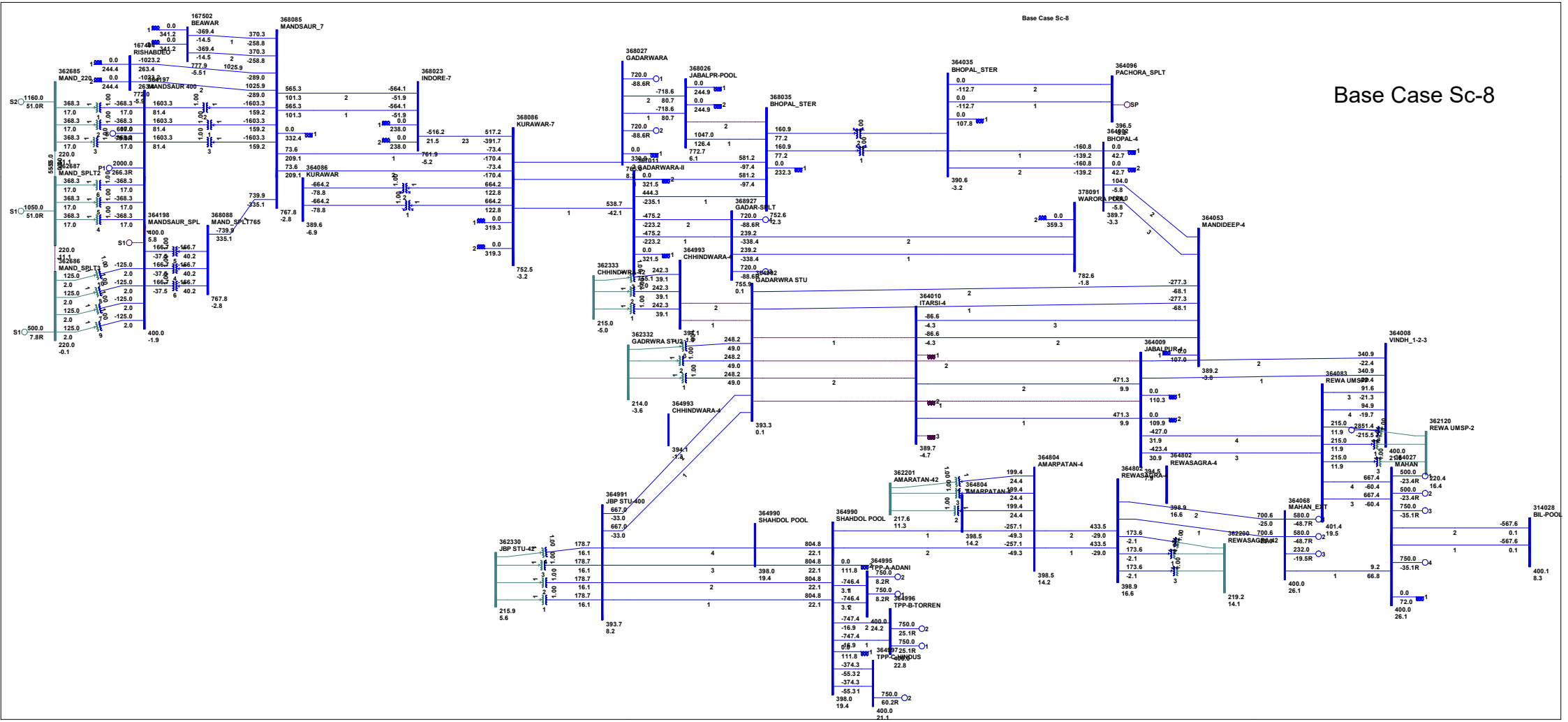
Annexure-II

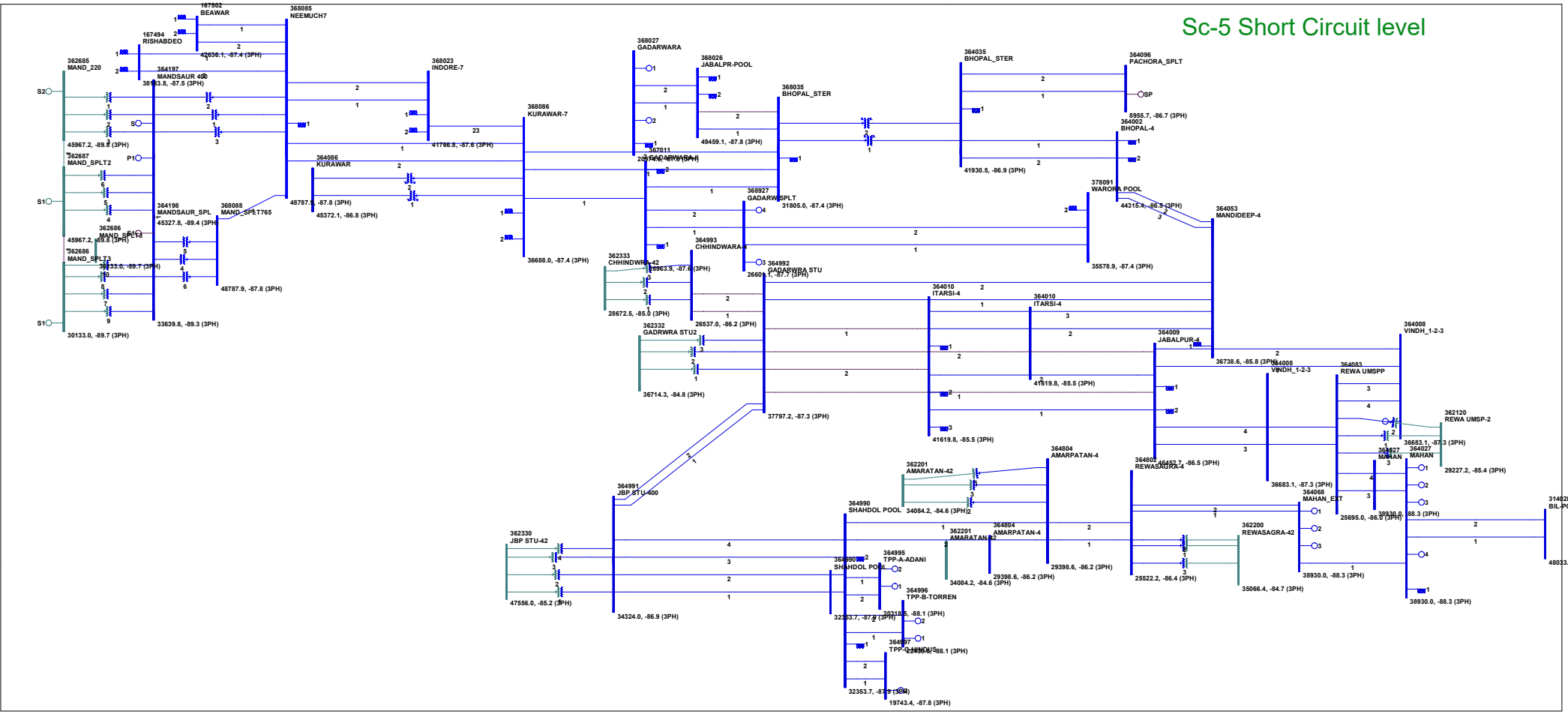
Common Network Expansion Scheme to facilitate evacuation of RE power at Mandsaur S/s (Additional 1500MW) and Thermal power of Gadarwara Ph-II (2x800MW)

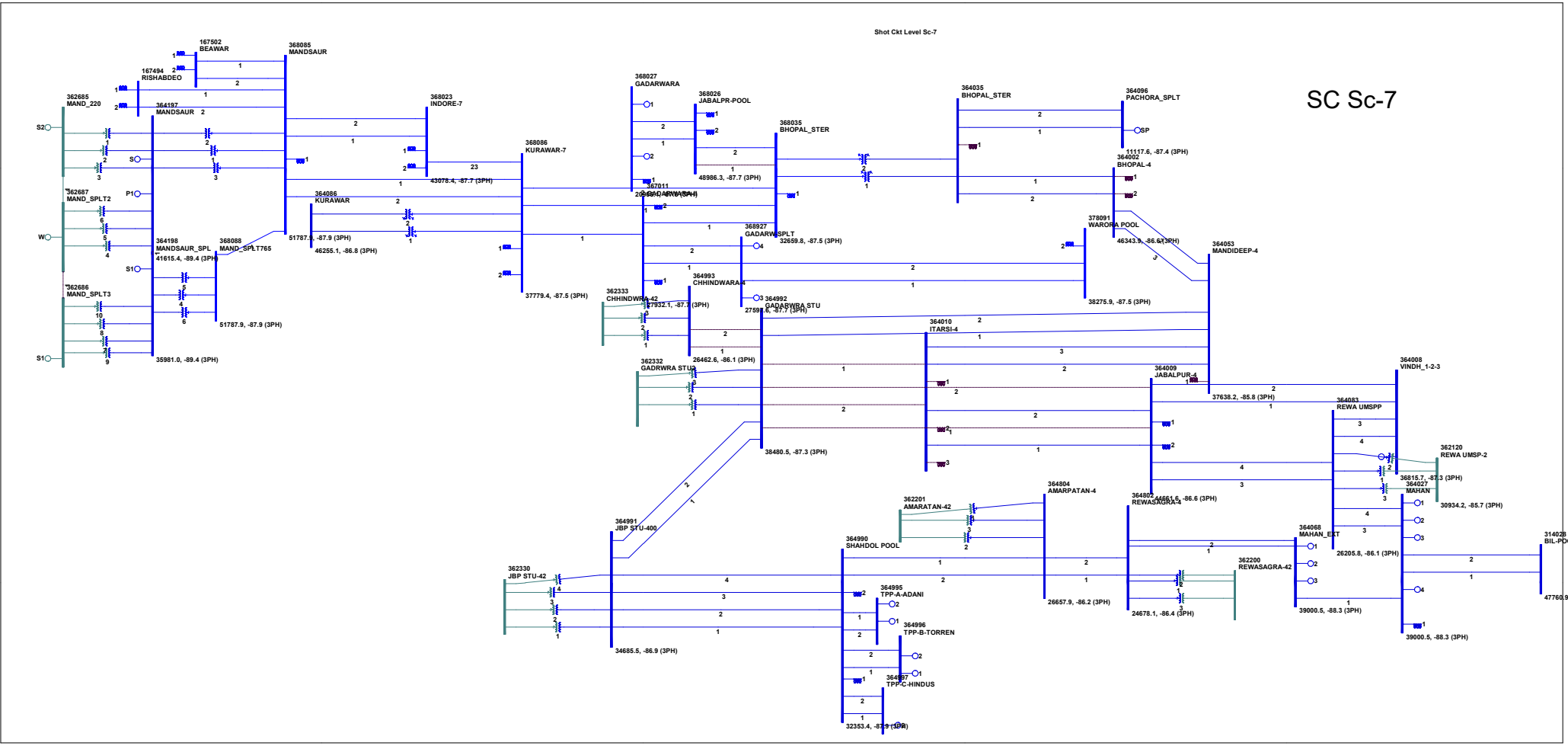


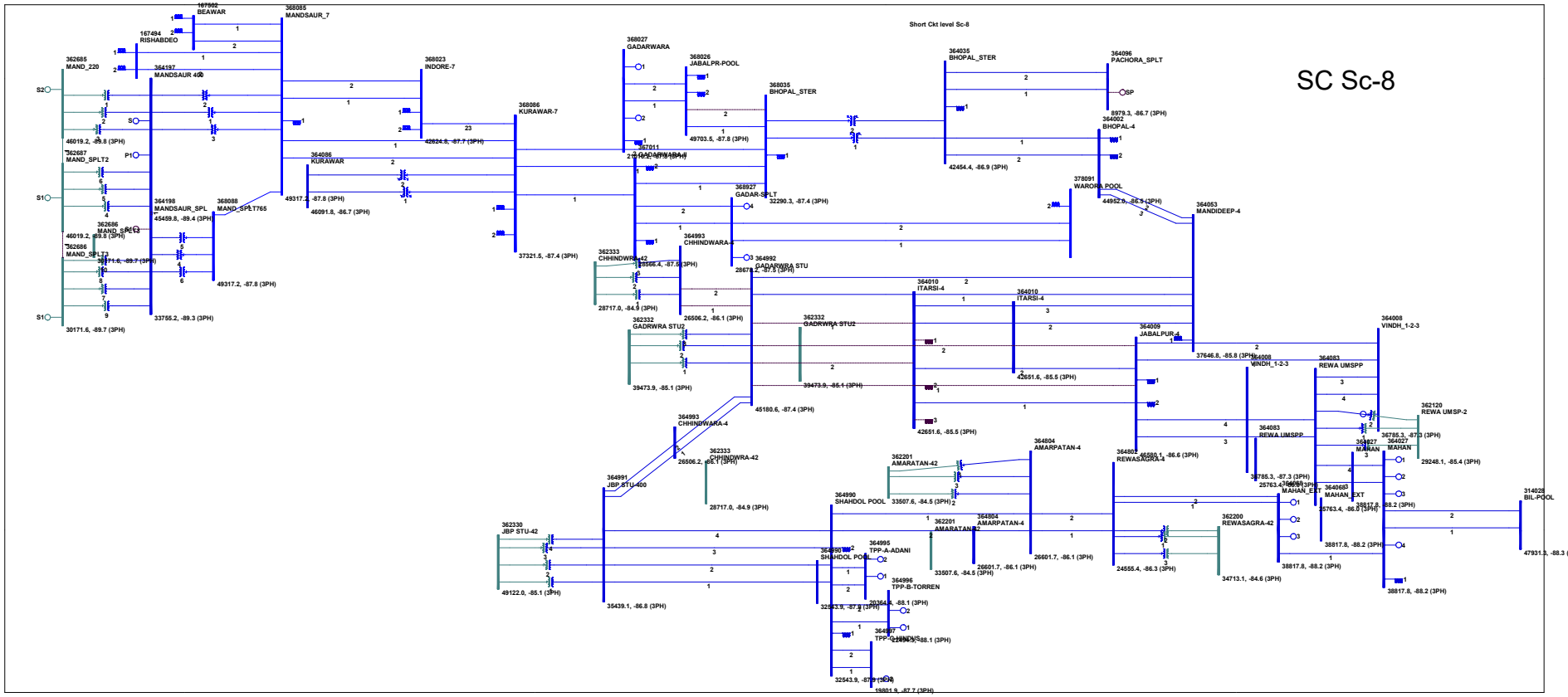

Base Case Sc-5
BEAWAR
NEEMUCH7
RISHABDEO
MANDSAUR
INDORE-7
KURAWAR-7
KURAWAR
MAND_220
MAND_SPLT2
MAND_SPLT3
MANDSAUR_SPL
MAND_SPLT765
GADARWARA
JABALPR-POOL
BHOPAL_STER
GADARWARA-II
GADARWSPLT
GADARWRA STU
CHHINDWARA
CHHINDWARA-4
JBP STU-400
JBP STU-42
SHAHDOL POOL
TPP-A-ADANI
TPP-B-TORREN
TPP-INDUS
AMARPATAN-42
AMARPATAN-4
ITARSI-4
BHOPAL_STER
PACHORA_SPLT
BHOPAL-4
WARORA POOL
MANDIDEEP-4
JABALPUR-4
REWASAGAR-4
VINDH_1-2-3
REWA UMSP-2
MAHAN
MAHAN_EXT
REWA UMSP
BIL-POOL


Base Case Sc-7
Base Case Sc-7


Base Case Sc-8
Base Case Sc-8


Sc-5 Short Circuit level
167502
BEAWAR
368085
NEEMUCH7
167494
RISHABDEO
42636.1, -87.4 (3PH)
362685
MAND_220
364197
MANDSAUR 400
38193.8, -87.5 (3PH)
368023
INDORE-7
41766.8, -87.6 (3PH)
368086
KURAWAR-7
36688.0, -87.4 (3PH)
364086
KURAWAR
45372.1, -86.8 (3PH)
48787.9, -87.8 (3PH)
45967.2, -89.8 (3PH)
362687
MAND_SPLT2
362686
MAND_SPLT3
364198
MANDSAUR_SPL
45327.8, -89.4 (3PH)
368088
MAND_SPLT765
48787.9, -87.8 (3PH)
33639.8, -89.3 (3PH)
30133.0, -89.7 (3PH)
368027
GADARWARA
368026
JABALPR-POOL
49459.1, -87.8 (3PH)
368035
BHOPAL_STER
364035
BHOPAL_STER
364096
PACHORA_SPLT
8955.7, -86.7 (3PH)
41930.5, -86.9 (3PH)
364002
BHOPAL-4
378091
WARORA POOL
44315.4, -86.5 (3PH)
364053
MANDIDEEP-4
35578.9, -87.4 (3PH)
368927
GADARWASPLT
31805.0, -87.4 (3PH)
364993
CHHINDWARA-4
364992
GADARWRA STU
26601.1, -87.7 (3PH)
362333
CHHINDWRA-42
26537.0, -86.2 (3PH)
28672.5, -85.0 (3PH)
362332
GADRWRA STU2
36714.3, -84.8 (3PH)
37797.2, -87.3 (3PH)
364010
ITARSI-4
41619.8, -85.5 (3PH)
364009
JABALPUR-4
36738.6, -85.8 (3PH)
364008
VINDH_1-2-3
364083
REWA UMSPP
362120
REWA UMSP-2
36683.1, -87.3 (3PH)
364027
MAHAN
29227.2, -85.4 (3PH)
364804
AMARPATAN-4
362201
AMARATAN-42
34084.2, -84.6 (3PH)
29398.6, -86.2 (3PH)
364805
REWASAGRA-4
25522.2, -86.4 (3PH)
362200
REWASAGRA-42
35066.4, -84.7 (3PH)
364068
MAHAN_EXT
25695.0, -86.0 (3PH)
38930.0, -88.3 (3PH)
314028
BIL-POOL
48033.0, -88
364991
JBP STU-400
34324.0, -86.9 (3PH)
362330
JBP STU-42
47556.0, -85.2 (3PH)
364990
SHAHDOL POOL
364995
TPP-A-ADANI
364996
TPP-B-TORREN
32353.7, -87.2 (3PH)
20318.5, -88.1 (3PH)
364997
19743.4, -87.8 (3PH)


Shot Ckt Level Sc-7
SC Sc-7
167502
BEAWAR
368085
MANDSAUR
167494
RISHABDEO
362685
MAND_220
364197
MANDSAUR
368023
INDORE-7
43078.4, -87.7 (3PH)
368086
KURAWAR-7
37779.4, -87.5 (3PH)
362687
MAND_SPLT2
364086
KURAWAR
51787.9, -87.9 (3PH)
46255.1, -86.8 (3PH)
364198
MANDSAUR_SPL
41615.4, -89.4 (3PH)
368088
MAND_SPLT765
51787.9, -87.9 (3PH)
362686
MAND_SPLT3
35981.0, -89.4 (3PH)
368027
GADARWARA
368026
JABALPR-POOL
48986.3, -87.7 (3PH)
368035
BHOPAL_STER
367011
GADARWARA(PH)
368927
GADARWA SPLT
32659.8, -87.5 (3PH)
364993
CHHINDWARA-4
364992
GADARWRA STU
27598.8, -87.7 (3PH)
362333
CHHINDWRA-42
26462.6, -86.1 (3PH)
362332
GADRWRA STUB
38480.5, -87.3 (3PH)
364035
BHOPAL_STER
364096
PACHORA_SPLT
11117.6, -87.4 (3PH)
364002
BHOPAL-4
378091
WARORA POOL
46343.9, -86.6 (3PH)
38275.9, -87.5 (3PH)
364053
MANDIDEEP-4
364010
ITARSI-4
364009
JABALPUR-4
37638.2, -85.8 (3PH)
364008
VINDH_1-2-3
364083
REWA UMSPP
362120
REWA UMSP-2
36815.7, -87.3 (3PH)
364027
MAHAN
30934.2, -85.7 (3PH)
314028
BIL-POOL
47760.9, -88.3 (3PH)
364804
AMARPATAN-4
362201
AMARATAN-42
26657.9, -86.2 (3PH)
364805
REWASAGRA-4
24661.6, -86.6 (3PH)
24678.1, -86.4 (3PH)
362200
REWASAGRA-42
364068
MAHAN_EXT
26205.8, -86.1 (3PH)
39000.5, -88.3 (3PH)
39000.5, -88.3 (3PH)
364991
JBP STU-400
362330
JBP STU-42
34685.5, -86.9 (3PH)
364990
SHAHDOL POOL
364995
TPP-A-ADANI
364996
TPP-B-TORREN
364997
TPP-C-HINDUS
32353.4, -87.9 (3PH)


SC Sc-8
Short Ckt level Sc-8
167502 BEAWAR
167494 RISHABDEO
368085 MANDSAUR_7
362685 MAND_220
364197 MANDSAUR 400
368023 INDORE-7
368086 KURAWAR-7
368027 GADARWARA
368026 JABALPR-POOL
368035 BHOPAL_STER
364035 BHOPAL_STER
364096 PACHORA_SPLT
364002 BHOPAL-4
378091 WARORA POOL
364053 MANDEEP-4
362687 MAND_SPLT2
364198 MANDSAUR_SPL
368088 MAND_SPLT765
364086 KURAWAR
368927 GADAR-SPLT
364993 CHHINDWARA-4
364992 GADARWRA STU
362333 CHHINDWRA-42
362332 GADRWRA STU2
364010 ITARSI-4
364009 JABALPUR-4
364008 VINDH_1-2-3
364083 REWA UMSPP
362120 REWA UMSP-2
364027 MAHAN
364085 MAHAN_EXT
314028 BIL-POOL
364804 AMARPATAN-4
362201 AMARATAN-42
364805 REWASAGRA-4
362200 REWASAGRA-42
364991 JBP STU-400
362330 JBP STU-42
364990 SHAHDOL POOL
364995 TPP-A-ADANI
364996 TPP-B-TORREN
364997 TPP-C-ADANIS
46019.2, -89.8 (3PH)
49317.2, -87.8 (3PH)
46091.8, -86.7 (3PH)
42624.9, -87.7 (3PH)
37321.5, -87.4 (3PH)
49703.5, -87.8 (3PH)
42454.4, -86.9 (3PH)
8979.3, -86.7 (3PH)
44962.0, -86.3 (3PH)
32290.3, -87.4 (3PH)
45459.8, -89.4 (3PH)
33755.2, -89.3 (3PH)
30171.6, -89.7 (3PH)
28678.2, -87.3 (3PH)
28717.0, -84.9 (3PH)
26506.4, -87.3 (3PH)
26506.2, -86.1 (3PH)
39473.9, -85.1 (3PH)
45180.6, -87.4 (3PH)
42651.6, -85.5 (3PH)
37646.8, -85.8 (3PH)
25763.4, -86.0 (3PH)
29248.1, -85.4 (3PH)
38817.8, -88.2 (3PH)
47931.3, -88.3 (3PH)
33507.6, -84.5 (3PH)
26601.7, -86.1 (3PH)
24555.4, -86.3 (3PH)
34713.1, -84.6 (3PH)
49122.0, -85.1 (3PH)
35439.1, -86.8 (3PH)
32543.9, -87.3 (3PH)
20364.1, -88.1 (3PH)
19801.9, -87.7 (3PH)

Part B: Application-related matters in Western Region

1. Deposit scheme for the entities covered under Regulation 17.1(iii) who have been granted GNA/GNARE at Navinal: 4500 MW & Kandla: 3000 MW Substations in WR

The following was informed w.r.t. recent CERC orders concerning the Deposit scheme for the entities covered under Regulation 17.1(iii) who have been granted GNA/GNARE at Navinal: 4500 MW & Kandla: 3000 MW Substations in WR:

a) Bulk Consumers / Distribution licensees (under Reg. 17.1(iii) of GNA Regulations) may apply for GNA for 50 MW or above for the drawal of power from ISTS.

b) Under Reg. 12.5 of GNA Regulations, such Entities are responsible **at their own cost** for the construction and maintenance of the dedicated system connecting their facility to the ISTS, along with any necessary augmentation of the ISTS network for enabling connection.

c) In this context, it was decided in a meeting held on 12-07-2023 under the chairpersonship of the Chairperson (CEA) that ISTS identified/planned for potential-based bulk consumers, including green hydrogen, can be implemented under ISTS, provided that the potential site of such bulk consumers has been confirmed by the central/state government.

d) In such cases, security (BG) to be taken from Green H2/NH3 developers towards development of ISTS is very low (i.e., only Rs. 2 Lakh/MW (Conn-BG3)) as compared to ISTS cost (i.e., about 1 Cr. / MW).

e) Without adequate security, if Green H2/NH3 developers do not materialise, ISTS developed by Transmission Licensee would become redundant & cost would be borne by the DICs.

f) In view of the above, CERC, in order vide order dated 19.11.2025 in the Petition No. 426/TL/2024 in respect of Navinal Transmission Limited, has held that:

   a. ICTs and associated bays at Navinal S/s shall be considered under ‘necessary augmentation for providing the connection to ISTS’ under Regulation 12.5 of the GNA Regulations, whose cost is to be borne by the entities covered under Regulation 17.1(iii).
   b. The GNA/ GNARE grantee entities shall deposit the cost as intimated by CTUIL, within 30 days of intimation of such cost. In case of failure, GNA/ GNARE grants to such entities shall be cancelled, and available BGs shall be treated as per the extant GNA Regulations.

c. CTUIL shall itself calculate the cost to be collected from each such entity that has been granted GNA/ GNARE, at the instant Navinal substation, in proportion to the quantum of GNA/ GNARE, based on the latest average estimated per MW cost (based on Voltage level) or do so in consultation with the NCT, if considered necessary.
d. CTUIL shall keep this amount in a separate account under an appropriate deposit scheme. Staff is directed to devise a mechanism for treating this amount and the charges for the Transformer component.

g) Further, CERC in Order in Petition No. 73/TL/2025 dated 18.12.2025 w.r.t. grant of Transmission Licence to Paradeep Transmission Limited has held that:

> *"*Para ***11.*** *We have noted calculations furnished by CTU at the May 2025 price level for 765kV/400 kV ICT and associated 765 kV bays and 400 kV bays for a 3000 MW substation and 4500 MW substation. It is noted that the actual cost of such a substation may vary depending on the actual bid price / determined tariff, which may be higher or lower than the proposed number. However, for uniformity as suggested by CTU and considering latest average estimated cost and 36th minutes of meeting of NCT quoted above whereby NCT stated that they do not have any mandate to formulate cost.* ***We direct that the entities covered under Regulation 17.1(iii) shall deposit cost of Rs. 16 lacs/MW for the GNA/ GNARE quantum for such entities covered under Regulation 17.1(iii), who have been granted GNA/GNARE (or who shall be granted GNA/GNARE) at such substation Navinal: 4500 MW, Kandla: 3000 MW, Kakinada GH: 3000 MW, Tuticorin GH: 3000 MW, Pendurthi GH: 4500 MW, Paradeep: 1500 MW, Gopalpur: 1500 MW. The CTUIL is directed to raise the bill @16 lac/MW to the GNA/GNARE grantees within 15 days of this Order. The entities are directed to deposit the intimated amount, within 30 days of intimation, in terms of the earlier Order dated 18.12.2025. In the event of failure, the GNA/ GNARE grants to such entities shall be cancelled, and available BGs shall be treated as per the extant GNA Regulations. CTUIL shall keep this amount in a separate account under an appropriate deposit scheme."***

In view of the same, it was informed that all entities covered under Regulation 17.1(iii), who have been granted GNA/GNARE (or who shall be granted GNA/GNARE) at Navinal: 4500 MW & Kandla: 3000 MW Substations in WR would have to deposit the said amount in terms of the above CERC Order.

Applicants noted the same.

2. Applications discussed in the 41st CMETS-WR and requiring further deliberations

A. Applications for Thermal Energy Source

S no.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Energy Source	Location (Requested)	Quantum
1.	2200002513	Newzone India Private Limited	19-Oct-25	12:14:08	WR	Thermal	Near Anuppur	800 MW

41st CMETS-WR

Newzone India Private Limited was requested to inform the substation at which connectivity is required. Further, the applicant was also requested to explain details of their Thermal project, so that studies can be initiated accordingly.

Applicant stated that their 2x800 MW units are proposed to be connected to the STU network, and this 800MW unit is planned to be connected to the CTU network so that they can sell power outside MP through GNA.

It was informed that there is no ISTS S/s in the vicinity of the applicant's project and that MPPTCL is already planning a comprehensive system for the evacuation of power from the Shahdol area to accommodate several thermal generating stations. Hence, the applicant may also consider connecting this unit to the STU network to avoid duplication of transmission system planning and to ensure optimal utilisation of the transmission system. Furthermore, if the applicant chooses to connect to the CTU system, it would require planning an elaborate ISTS system in the area as an Associated Transmission System (ATS) for the generator, and the corresponding Conn-BG2 cost would have to be borne by the applicant.

On query, it was clarified that even an STU-connected generator can transfer power through ISTS by availing GNA under Regulation 17.1(vi).

The applicant stated that, considering the inputs they received in the meeting, they will revert within a week on whether they wish to continue with the application. The application will be discussed further based on the inputs from the applicant.

42nd CMETS-WR

Representative of Newzone India Private Limited informed that they are exploring ISTS connectivity for 1x800MW unit in the area, and tentative system requirements (including ATS) may be identified based on which they shall take a final decision on whether to pursue the application or not. The other 2x800 MW units are already planned for interconnection with the STU system at Shahdol PS.

It was categorically informed to the applicant that it would be a waste of national resources to plan another ISTS substation and an elaborate transmission system in the area (considering the non-availability of an ISTS system in the area), when MPPTCL is already moving ahead with the implementation of a comprehensive transmission system for Thermal generating stations coming up in the Shahdol area. Nevertheless, a tentative system shall be worked out as ATS for the generating station and be informed to the applicant in subsequent meeting(s).

B. Processing of new GNA Applications under Reg. 17.1 (iii)

Oct'25

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
1.	2200002544	Hindalco Industries Limited (HIL)	31-Oct-25	WR	Bulk consumer seeking to connect to ISTS	50.0	100.0	150.0	01-04-2028	31-03-2052

- Applied for GNA_{RE}: No
- Nearest ISTS sub-stations: DGEN Torrent Dahej Substation connected to Navsari ISTS S/s

As per Reg. 17.3 of the GNA Regulation, 2022 (introduced in 3rd Amendment made effective from 09.09.2025):

The Applicant covered under Regulation 17.1(iii) of these regulations may apply for a grant of GNA by seeking interconnection at:
(a) a terminal bay of an ISTS sub-station already allocated to another such entity covered under clause (iii) of Regulation 17.1, or
(b) **a terminal bay of an ISTS sub-station already allocated to another entity covered under Regulation 4.1 of these regulations**, or
(c) a switchyard of a generating station having Connectivity to ISTS

Provided that the applicant, along with the application under sub-clauses (a) to (c) of this Regulation, shall furnish **an agreement duly signed between the Applicant and the said entity** for sharing the terminal bay, switchyard, the dedicated transmission lines.

HIL has furnished the sharing agreement along with the application as per Reg. 17.3 mentioned above.

41st CMETS-WR:

M/s HIL stated that they are envisaging the following **Dedicated Transmission System for Connectivity utilising the DTL of M/s TPL (DGEN TPS) up to Navsari (PG) S/s:**

HIL informed that they shall share the DTL of M/s TPL (DGEN TPS) for its 1200 MW generation project as given below:

- LILO of one circuit of TPL (DGEN TPS)-Navsari S/s 400kV D/c (triple) line at HIL(GIS) Switchyard

In view of the available sharing agreement/details of DTL, it was proposed to grant GNA to HIL with the following system, which is already under implementation, and no additional transmission system is required to be planned under ISTS for the subject GNA:

Common Transmission System Augmentation for GNA:

Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B (part system) (expected by Mar'26): POWERGRID

- Establishment of 765/400/220 kV Navsari (new) (South Gujarat) S/s (GIS)
- Navsari (new) (South Gujarat) (GIS) – Kala (GIS) 400 kV D/c line
- Navsari (New) (South Gujarat) (GIS) – Padghe (GIS) 765 kV D/c line
- Augmentation of transformation capacity at Navsari(new) (GIS) 765/400 kV substation by 1x1500 MVA ICT (3rd)

Downstream system under In-STS considered at Navsari (New) S/s: GETCO

- LILO of both circuits of 220 KV D/c Navsari - Sachin line at Navsari (New) (South Gujarat) (GIS) substation
- Navsari (New) (South Gujarat) (GIS) substation – Sachin 220kV D/c line
- Navsari (New) (South Gujarat) (GIS) substation – Khajod 220kV D/c line

It was further informed that M/s HIL is presently interconnected with the GETCO In-STS system. HIL vide letter dated 24.03.2025 to GETCO (submitted along with application) has informed the STU that they are applying for GNA to the ISTS network, and upon effectiveness of the ISTS Connectivity, Intra-state connectivity shall be surrendered.

GRID-INDIA highlighted that M/s HIL shall ensure compliance w.r.t Grid Connectivity Standards after the proposed LILO, and accordingly, the Cat-2 (IEGC) Agreement needs to be signed, without which physical connectivity with the Grid will not be allowed.

GETCO stated that NOC (for disconnection with STU network and interconnection with ISTS) may be applied to STU, so that the matter can be taken up with DISCOMs for clearance of any dues. Further, the issue of overloading on the Vav-Navsari 400kV line needs to be studied before the grant.

The applicant was requested to coordinate with GETCO for NOC-related issues. However, it was decided that the entity shall be treated as an entity directly connected to ISTS, and it shall be the responsibility of the applicant to ensure the above prior to physical interconnection with ISTS in order to avoid dual connectivity with ISTS and InSTS. Even in the case of non-receipt of NOC from STU, the GNA shall be made effective. It was also discussed that the issue of overloading on the Vav-Navsari 400kV line is expected to get resolved with the commissioning of Navsari (New) 765/400/220kV S/s and associated lines. It may further be noted that as per GNA Regulations, the necessary metering, accounting, and scheduling arrangements for such entities shall be as per the Detailed Procedure to be prepared by NLDC in this regard, in consultation with CTU, CEA, RPCs, and RLDCs.

HIL requested some time to intimate the exact details of DTL sharing in close coordination with TPL (DGEN) and RIL (refer deliberations in next agenda item).

It was decided that the application shall be discussed in the next meeting based on the feedback of applicants, i.e., HIL & RIL.

42nd CMETS-WR

M/s HIL have informed the following w.r.t. queries in last meeting vide e-mail dated 12.02.2026:

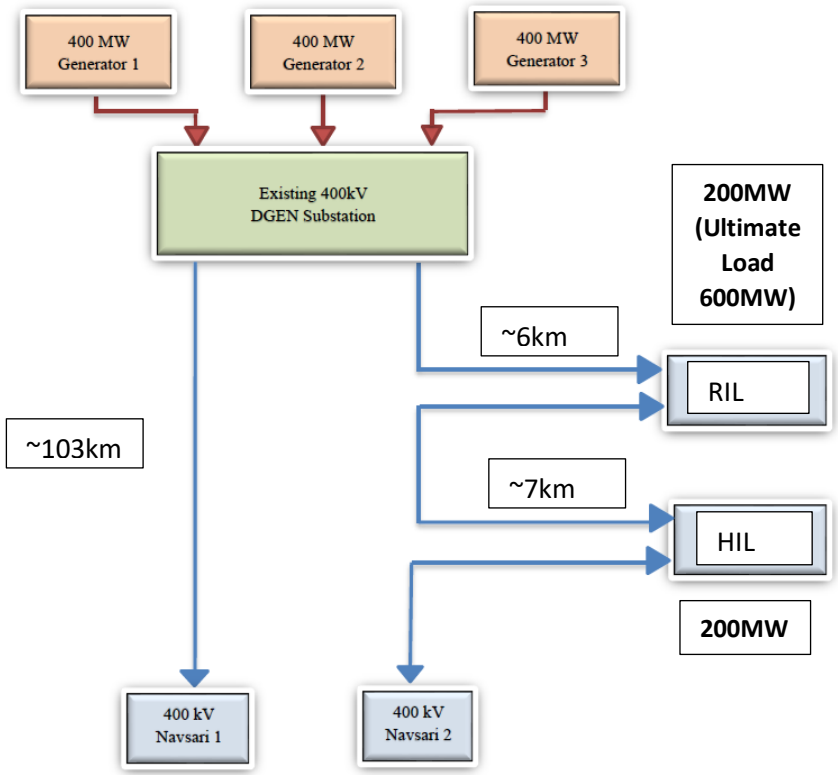
i) "It was suggested that LILO may be carried out on the other circuit in order to ensure balanced line loadings":

- ***The feasibility study for sharing the DTL between HIL and RIL has already been completed, and all associated load flow and simulation analyses have been carried out. The feasibility study report prepared by TCE is enclosed for your reference. Based solely on the outcomes of the TCE report, it has been concluded that the most technically suitable solution is to implement the LILO arrangement for HIL and RIL using Circuit–1 of the 400 kV Navsari– DGEN transmission line (please refer to the mail below from Torrent Power for your reference).***

ii) "RIL & HIL had requested some time to intimate the exact details of DTL sharing in close coordination with TPL (DGEN)."

- ***The same has been communicated to Torrent Power, and they have requested some additional time to provide the approved drawings. We will share them as soon as we receive them, expected by the end of this month.***

Further, TPL (DGEN) vide e-mail dated 12.02.2026 addressed to M/s HIL has also concurred on the above proposal. The schematic of the proposed arrangement is given below, as per which LILO of the same ckt with triple snowbird conductor by both M/s HIL & M/s RIL is considered:



CTU stated that LILO of different circuits by each entity would result in more balanced flows as well as increased reliability, as even if the DGEN Bus is under shutdown, each entity would have different 400kV connectivity lines up to Navsari (PG) S/s and would not be dependent on each other.

RIL, HIL, as well as TPL (DGEN) informed that they have finalised the proposed arrangement after extensive deliberations and studies at their end and would like to stick to the same arrangement.

After deliberations, it was agreed to grant 150 MW GNA to M/s HIL from 01.04.2028 as per the system below:

Dedicated Transmission System for Connectivity utilising the DTL of M/s TPL (DGEN TPS) up to Navsari (PG) S/s (at cost of applicant):

- LILO of one circuit of TPL (DGEN TPS) - Navsari S/s 400kV D/c (triple) line at HIL(GIS) Switchyard

  Note: RIL is also LILOing the same 400 kV ckt at a suitable point near DGEN switchyard. Hence, the 400 kV line shall become TPL (DGEN TPS) – RIL – HIL – Navsari 400 kV S/c line. The other 400 kV ckt would remain as TPL (DGEN TPS) - Navsari S/s 400 kV S/c line

Further, no additional transmission system is required to be planned under ISTS for subject GNA other than the following common transmission system, which is already under implementation:

Common Transmission System Augmentation for GNA:

Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B (part system) (expected by Mar'26) : POWERGRID

- Establishment of 765/400/220 kV Navsari (new) (South Gujarat) S/s (GIS)
- Navsari (new) (South Gujarat) (GIS) – Kala (GIS) 400 kV D/c line
- Navsari (New) (South Gujarat) (GIS) – Padghe (GIS) 765 kV D/c line
- Augmentation of transformation capacity at Navsari(new) (GIS) 765/400 kV substation by 1x1500 MVA ICT (3rd)

Downstream system under In-STS considered at Navsari (New) S/s: GETCO

- LILO of both circuits of 220 kV D/c Navsari - Sachin line at Navsari (New) (South Gujarat) (GIS) substation
- Navsari (New) (South Gujarat) (GIS) substation – Sachin 220 kV D/c line
- Navsari (New) (South Gujarat) (GIS) substation – Khajod 220 kV D/c line

Since M/s HIL is presently interconnected with the GETCO In-STS system, it shall be the responsibility of M/s HIL to surrender In-STS connectivity and disconnect from the In-STS network before the effectiveness of GNA under ISTS. At no point in time, M/s HIL shall remain connected with both ISTS and In-STS networks. Nevertheless, the effectiveness of GNA (along with associated liabilities) shall not be contingent on the above.

GRID-INDIA highlighted that M/s HIL & RIL should provide models of a complete complex (including DGEN generation and RIL, HIL loads) based on which compliance with the Grid Connectivity Standards shall be assessed (after proposed LILO), and accordingly, the Cat-2 (IEGC) Agreement needs to be signed, without which physical connectivity with the Grid will not be allowed. Applicant noted the same.

Nov'25

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
1.	2200002560	Reliance Industries Limited	6-Nov-25	WR	Bulk consumer (including Green Hydrogen / Green Ammonia) seeking to connect to ISTS directly	200.0	0	200.0	01-12-2027	31-12-2037

- Applied for GNA_{RE}: Yes
- Nearest ISTS sub-stations: South Olpad / Navsari

41st CMETS-WR:

From the studies, it is observed that the subject drawal can be accommodated at Navsari PG after considering the establishment of Navsari (New) and its associated Transmission system, which is already under implementation/implementation by POWERGRID.

RIL informed that just like M/s HIL above, RIL is also planning to utilise DGEN DTL through a LILO arrangement of one ckt. It was suggested that LILO may be carried out on the other circuit in order to ensure balanced line loadings.

It was observed that RIL is presently interconnected with the GETCO In-STS system. GETCO stated that NOC may be applied to STU (for disconnection with STU network and interconnection with ISTS) so that the matter can be taken up with DISCOMs for clearance of any dues.

Sharing of ISTS losses to be apportioned amongst HIL, RIL, and TPL (DGEN) shall be as per the procedure of GRID-INDIA, which has to be agreed upon by the three parties.

In view of the available sharing agreement/details of DTL, it was proposed to grant GNA to RIL with the following system, which is already under implementation, and no additional transmission system is required to be planned under ISTS for the subject GNA:

Common Transmission System Augmentation for GNA:

Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B (part system) (expected by Mar'26): POWERGRID

- Establishment of 765/400/220 kV Navsari (new) (South Gujarat) S/s (GIS)
- Navsari (new) (South Gujarat) (GIS)- Kala (GIS) 400 kV D/c line
- Navsari (New) (South Gujarat) (GIS) – Padghe (GIS) 765 kV D/c line
- Augmentation of transformation capacity at Navsari(new) (GIS) 765/400 kV substation by 1x1500 MVA ICT (3rd)

Downstream system under In-STS considered at Navsari (New) S/s: GETCO

- LILO of both circuits of 220 KV D/c Navsari - Sachin line at Navsari (New) (South Gujarat) (GIS) substation
- Navsari (New) (South Gujarat) (GIS) substation – Sachin 220kV D/c line
- Navsari (New) (South Gujarat) (GIS) substation – Khajod 220kV D/c line

The applicant was requested to coordinate with GETCO for NOC-related issues. However, it was decided that the entity shall be treated as an entity directly connected to ISTS, and it shall be the responsibility of the applicant to ensure the above prior to physical interconnection with ISTS in order to avoid dual connectivity with ISTS and InSTS. Even in the case of non-receipt of NOC from STU, the GNA shall be made effective.

RIL requested some time to intimate the exact details of DTL sharing in close coordination with TPL (DGEN) and HIL.

It was decided that the application shall be discussed in the next meeting based on the feedback of applicants, i.e., HIL & RIL.

42nd CMETS-WR:

CTU stated that LILO of different circuits by each entity would result in more balanced flows as well as increased reliability, as even if the DGEN Bus is under shutdown, each entity would have different 400kV connectivity lines up to Navsari(PG) S/s, and would not be dependent on each other.

RIL, HIL, as well as TPL(DGEN) informed that they have finalised the proposed arrangement after extensive deliberations and studies at their end and would like to stick to the same arrangement.

After deliberations, it was agreed to grant 200MW GNA-RE to M/s RIL from 01.12.2027 as per the system below:

Dedicated Transmission System for Connectivity utilising the DTL of M/s TPL (DGEN TPS) up to Navsari (PG) S/s (at cost of applicant):

- LILO of one circuit of TPL (DGEN TPS)-Navsari S/s 400kV D/c (triple) line at RIL Switchyard

  Note: HIL is also LILOing the same 400kV ckt at a suitable point along the DGEN-Navsari line. Hence, the 400kV line shall become TPL (DGEN TPS) – RIL – HIL – Navsari 400kV S/c line. The other 400kV circuit would remain as TPL (DGEN TPS)-Navsari S/s 400kV S/c line

Further, no additional transmission system is required to be planned under ISTS for subject GNA other than the following common transmission system, which is already under implementation:

Common Transmission System Augmentation for GNA:

Transmission Network Expansion in Gujarat to increase ATC from ISTS: Part B (part system) (expected by Mar'26) : POWERGRID

- Establishment of 765/400/220 kV Navsari (new) (South Gujarat) S/s (GIS)
- Navsari (new) (South Gujarat) (GIS)- Kala (GIS) 400 kV D/c line
- Navsari (New) (South Gujarat) (GIS) – Padghe (GIS) 765 kV D/c line
- Augmentation of transformation capacity at Navsari(new) (GIS) 765/400 kV substation by 1x1500 MVA ICT (3rd)

Downstream system under In-STS considered at Navsari (New) S/s: GETCO

- LILO of both circuits of 220 KV D/c Navsari - Sachin line at Navsari (New) (South Gujarat) (GIS) substation
- Navsari (New) (South Gujarat) (GIS) substation – Sachin 220kV D/c line
- Navsari (New) (South Gujarat) (GIS) substation – Khajod 220kV D/c line

Since M/s RIL is presently interconnected with the GETCO In-STS system, it shall be the responsibility of M/s RIL to surrender In-STS connectivity and disconnect from the In-STS network before the effectiveness of GNA under ISTS. At no point in time, M/s RIL shall remain connected with both ISTS and In-STS networks. Nevertheless, the effectiveness of GNA (along with associated liabilities) shall not be contingent on the above.

GRID-INDIA highlighted that M/s HIL & RIL should provide models of a complete complex (including DGEN generation and RIL, HIL loads) based on which compliance with the Grid Connectivity Standards shall be assessed (after proposed LILO), and accordingly, the Cat-2 (IEGC) Agreement needs to be signed, without which physical connectivity with the Grid will not be allowed. Applicant noted the same.

3. Application for use of GNA by other grantee(s) under Reg. 23

Sl. No.	Application ID	Name of the Applicant (Transferrer)	Submission Date	Region	Nature of applicant (Transferrer)	Name of other GNA Grantee in the same region	Nature of other GNA Grantee	GNA Sought (MW)	From the date of GNA usage	To date of GNA usage
1.	2200002983	Reliance Industries Limited	29-Dec-25	WR	500MW (Within Region) Bulk consumer connected to ISTS	Reliance Corporate IT Park Limited	Drawee entity connected to the Intra-state Transmission System	17 (Within Region)	01.03.2026	30.11.2026
2.	2200002984	Reliance Industries Limited	29-Dec-25	WR		Reliance Industries Limited, Nagpur	Drawee entity connected to the Intra-state Transmission System	11 (Within Region)	01.03.2026	30.11.2026
3.	2200002985	Reliance Industries Limited	29-Dec-25	WR		Reliance Industries Limited, Nagothane	Drawee entity connected to the Intra-state Transmission System	25 (Within Region)	01.03.2026	31.12.2026

It was informed that consent of the concerned STU (MSETCL) in the form of NoC in terms of availability of transmission capacity in the Intra-State transmission system for the above quantum and period of transfer of GNA has been furnished along with the application.

Details of GNA Granted to MSETCL, considering the subject GNA transfer requests are given below:

Sl.	GNA	Quantum
	GNA Effective	
1	MSETCL (on behalf of intra-state entities)	10060

2	Central Railway (Intra-state)	240
3	BPCL	9
4	Reliance Corporate IT Park Limited	18 [1 + 17 (Transfer sought from RIL, Jamnagar from 01.03.2026 to 30.11.2026)]
5	Reliance Industries Ltd, Nagpur	12 [1 + 11 (Transfer sought from RIL, Jamnagar from 01.03.2026 to 30.11.2026)]
6	Reliance Industries Ltd, Nagothane	26 [1+ 25 (Transfer sought from RIL, Jamnagar from 01.03.2026 to 31.12.2026)]
	Total	**10365**

Hence, as of date, total GNA of MSETCL approved is **10,365 MW against ATC of 10,800 MW** (as per GRID-INDIA ATC figure for Dec-25). Hence, margins are available for the subject GNA grant.

In view of the above, the above transfers were agreed to be granted for the duration of usage of GNA as mentioned in the table above.

However, M/s RIL (transferrer) shall be liable for payment of transmission charges for the whole capacity of GNA. Payment liability for Transmission charges and transmission deviation charges shall be as per Regulation 23.1.

4. Applications for Connectivity to ISTS under Regulation 4.1, 4.2,5.2, 5.6, 5.7, and 5.11(a)

It was informed that in view of the notification & effectiveness of the 3rd Amendment to Connectivity & GNA Regulations 2022, the transition process is to be carried out for applicable entities. Accordingly, the applications received before notification of the 3rd amendment (09.09.2025) shall be processed after the completion of the transition process. After such applications are processed, processing of applications received after notification of the 3rd amendment (09.09.2025) shall be taken up. Nevertheless, the list of applications received by CTU in WR in the month of Dec-25 is reproduced below:

Dec-25

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
1.	2200002650	Adani Green Energy Limited	2-Dec-25	10:42:54	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	650	Non-Solar Hour Access [Reg. 5.11(a)]
2.	2200002652	Adani Green Energy Limited	2-Dec-25	10:44:10	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	287	Non-Solar Hour Access [Reg. 5.11(a)]
3.	2200002651	Adani Green Energy Limited	2-Dec-25	10:45:07	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1050	Non-Solar Hour Access [Reg. 5.11(a)]
4.	2200002648	Adani Green Energy Limited	2-Dec-25	10:46:07	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	410	Non-Solar Hour Access [Reg. 5.11(a)]
5.	2200002647	Adani Green Energy Limited	2-Dec-25	10:47:15	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1200	Non-Solar Hour Access [Reg. 5.11(a)]
6.	2200002646	Adani Green Energy Limited	2-Dec-25	10:48:25	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1530	Non-Solar Hour Access [Reg. 5.11(a)]
7.	2200002644	Adani Green Energy Limited	2-Dec-25	10:49:51	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	75	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
8.	2200002643	Adani Green Energy Limited	2-Dec-25	10:52:07	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	735	Non-Solar Hour Access [Reg. 5.11(a)]
9.	2200002641	Adani Green Energy Limited	2-Dec-25	10:52:57	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	925	Non-Solar Hour Access [Reg. 5.11(a)]
10.	2200002656	Sarjan Realities Private Limited	2-Dec-25	11:22:03	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	950	Non-Solar Hour Access [Reg. 5.11(a)]
11.	2200002655	Sarjan Realities Private Limited	2-Dec-25	11:29:28	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1060	Non-Solar Hour Access [Reg. 5.11(a)]
12.	2200002657	Sarjan Realities Private Limited	2-Dec-25	15:28:34	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	600	Non-Solar Hour Access [Reg. 5.11(a)]
13.	2200002659	Sarjan Realities Private Limited	2-Dec-25	15:28:34	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1000	Non-Solar Hour Access [Reg. 5.11(a)]
14.	2200002669	Adani Power Limited	3-Dec-25	19:41:07	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	950	Non-Solar Hour Access [Reg. 5.11(a)]
15.	2200002668	Adani Power Limited	3-Dec-25	19:41:51	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1000	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
16.	2200002667	Adani Power Limited	3-Dec-25	19:42:35	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1250	Non-Solar Hour Access [Reg. 5.11(a)]
17.	2200002691	Adani Power Limited	4-Dec-25	19:23:07	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1250	Non-Solar Hour Access [Reg. 5.11(a)]
18.	2200002688	Adani Power Limited	4-Dec-25	19:23:54	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	625	Non-Solar Hour Access [Reg. 5.11(a)]
19.	2200002687	Adani Power Limited	4-Dec-25	19:24:47	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	625	Non-Solar Hour Access [Reg. 5.11(a)]
20.	2200002685	Adani Power Limited	4-Dec-25	19:26:12	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1250	Non-Solar Hour Access [Reg. 5.11(a)]
21.	2200002698	Azure Power Sixty Three Private Limited	5-Dec-25	13:31:36	WR	Land BG Route	Standalone ESS	Raghanesda, Dist Banaskantha, Gujarat	Addition of Generation capacity: 300 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
22.	2200002694	Adani Power Limited	5-Dec-25	20:47:12	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	865	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
23.	2200002730	Adani Power Limited	5-Dec-25	20:56:48	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	1250	Non-Solar Hour Access [Reg. 5.11(a)]
24.	2200002729	Adani Power Limited	5-Dec-25	20:58:26	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	950	Non-Solar Hour Access [Reg. 5.11(a)]
25.	2200002731	Adani Power Limited	5-Dec-25	20:59:45	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	865	Non-Solar Hour Access [Reg. 5.11(a)]
26.	2200002705	Renew Solar Power Private Limited	6-Dec-25	14:19:15	WR	Land Route	Standalone ESS	Hinglaj Nagar, Jalore, Rajasthan	300	Non-Solar Hour Access [Reg. 5.11(a)]
27.	2200002708	Renew Solar Power Private Limited	6-Dec-25	14:19:15	WR	Land Route	Standalone ESS	Hinglaj Nagar, Jalore, Rajasthan	300	Non-Solar Hour Access [Reg. 5.11(a)]
28.	2200002709	Renew Solar Power Private Limited	6-Dec-25	14:20:24	WR	Land Route	Standalone ESS	Hinglaj Nagar, Jalore, Rajasthan	200	Non-Solar Hour Access [Reg. 5.11(a)]
29.	2200002711	Renew Solar Power Private Limited	6-Dec-25	14:21:21	WR	Land Route	Standalone ESS	Hinglaj Nagar, Jalore, Rajasthan	100	Non-Solar Hour Access [Reg. 5.11(a)]
30.	2200002712	Renew Solar Power Private Limited	6-Dec-25	14:22:15	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	100	Non-Solar Hour Access [Reg. 5.11(a)]
31.	2200002713	Renew Solar Power Private Limited	6-Dec-25	14:22:58	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	300	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
32.	2200002715	Renew Solar Power Private Limited	6-Dec-25	14:23:56	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	200	Non-Solar Hour Access [Reg. 5.11(a)]
33.	2200002717	Renew Solar Power Private Limited	6-Dec-25	14:25:01	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	100	Non-Solar Hour Access [Reg. 5.11(a)]
34.	2200002728	Renew Solar Power Private Limited	6-Dec-25	14:27:02	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	100	Non-Solar Hour Access [Reg. 5.11(a)]
35.	2200002767	Renew Solar Power Private Limited	6-Dec-25	19:59:59	WR	Land Route	Standalone ESS	Hinglaj Nagar, Chitalwana, Jalore, Rajasthan	300	Non-Solar Hour Access [Reg. 5.11(a)]
36.	2200002795	NTPC Renewable Energy Limited	7-Dec-25	22:58:51	WR	Land Route	Standalone ESS	Beed Nirdhari, Mandsaur, Madhya Pradesh	300	Non-Solar Hour Access [Reg. 5.11(a)]
37.	2200002791	NTPC Renewable Energy Limited	7-Dec-25	23:00:12	WR	Land Route	Standalone ESS	Beed Nirdhari, Mandsaur, Madhya Pradesh	300	Non-Solar Hour Access [Reg. 5.11(a)]
38.	2200002793	NTPC Renewable Energy Limited	7-Dec-25	23:01:06	WR	Land Route	Standalone ESS	Beed Nirdhari, Mandsaur, Madhya Pradesh	300	Non-Solar Hour Access [Reg. 5.11(a)]
39.	2200002788	NTPC Renewable Energy Limited	7-Dec-25	23:04:31	WR	Land BG Route	Standalone ESS	Maindane, Dhule, Maharashtra	300	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
40.	2200002744	NTPC Renewable Energy Limited	7-Dec-25	23:09:10	WR	Land Route	Wind	Khavda, Kutch	Addition of Generation capacity: 83 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
41.	2200002745	NTPC Renewable Energy Limited	7-Dec-25	23:09:10	WR	Land Route	Wind	Khavda, Kutch	Addition of Generation capacity: 27 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
42.	2200002803	NTPC Renewable Energy Limited	7-Dec-25	23:12:09	WR	Land BG Route	Standalone ESS	Dhadane, Dhule, Maharashtra	300	Non-Solar Hour Access [Reg. 5.11(a)]
43.	2200002810	NTPC Renewable Energy Limited	7-Dec-25	23:55:41	WR	Land Route	Standalone ESS	Khavda, Kutch	Addition of Generation capacity: 100 MW	Application for the addition of Generation Capacity, including ESS,

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
										within the quantum of connectivity granted under Regulation 5.2
44.	2200002809	NTPC Renewable Energy Limited	7-Dec-25	23:56:34	WR	Land Route	Standalone ESS	Khavda, Kutch	Addition of Generation capacity: 300 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
45.	2200002862	Juniper Green Energy Limited	8-Dec-25	18:40:01	WR	Land Route	Standalone ESS	Village-PiplyaKaradiya, Tehsil-Mandsaur, Mandsaur	Addition of Generation capacity: 100 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
46.	2200002859	Juniper Green Energy Limited	8-Dec-25	19:45:25	WR	Land Route	Standalone ESS	Village-Kumbhariya, Tehsil - Rapar, Katchchh (Kutch)	Addition of Generation capacity: 200 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
47.	2200002861	Adani Green Energy Limited	8-Dec-25	19:56:21	WR	Land Route	Standalone ESS	Khavda, Kachchh, Gujarat	60	Non-Solar Hour Access [Reg. 5.11(a)]
48.	2200002890	Juniper Green Gem Private Limited	8-Dec-25	20:21:45	WR	Land Route	Standalone ESS	Chhadwel (P), Taluka - Sakri, Dhule	Addition of Generation capacity: 100 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
49.	2200002899	Renew Solar (Shakti Eight) Private Limited	8-Dec-25	20:48:22	WR	Land Route	Standalone ESS	Bhachau, Kachchh, Gujarat	100	Non-Solar Hour Access [Reg. 5.11(a)]

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
50.	2200002926	Hero Solar Energy Private Limited	8-Dec-25	22:59:33	WR	Land BG Route	Solar	Badargadh, Khirai, Debrasa, Nilpar, Tindalava Mota, Badalpur, Naliyatimbo, Kutch, Gujarat	Addition of Generation capacity: 350 MW (50MW Solar + 130MW (4hr) BESS)	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
51.	2200002927	Hero Solar Energy Private Limited	8-Dec-25	23:08:11	WR	Land BG Route	Hybrid (RHGS)	Village: Chitrod, Tehsil: Rapad, Kutchh, Gujarat	Addition of Generation capacity: Solar-25 MW (25MW Solar + 30MW (4hr) BESS)	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
52.	2200002937	ACME Solar Holdings Limited	12-Dec-25	11:56:33	WR	Land BG Route	Wind	Bhimlod, Agar Malwa, Madhya Pradesh	350	Full day access
53.	2200002940	Banyan Insolation Private Limited	15-Dec-25	17:44:50	WR	LOA or PPA	Solar	Kavadiya Village, Halvad Taluka, Surendranagar	100	Full day access

S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
								District, Gujarat		
54.	2200002939	PNC Infratech Limited	17-Dec-25	12:34:22	WR	LOA or PPA	Solar	Deori, Sheopur, Madhya Pradesh	300	Full day access
55.	2200002951	PNC Infratech Limited	20-Dec-25	15:34:59	WR	Land BG Route	Solar	Rajula, Amreli, Gujarat	300	Full day access
56.	2200002979	ACME Solar Holdings Limited	26-Dec-25	17:42:26	WR	Land Route	Standalone ESS	Golgam, Vav-tharad	Addition of Generation capacity: 400 MW	Application for the addition of Generation Capacity, including ESS, within the quantum of connectivity granted under Regulation 5.2
57.	2200002989	JIRE Green Energy Project Three Limited	30-Dec-25	19:06:03	WR	Land BG Route	Hybrid (RHGS)	Village Bhavardhi, Taluka Khambha, Amreli, Gujarat	340	Full day access
58.	2200002994	JIRE Green Energy Project Five Limited	31-Dec-25	15:39:27	WR	Land BG Route	Hybrid (RHGS)	Vondh Bhachau, Kutch, Gujarat	340	Full day access

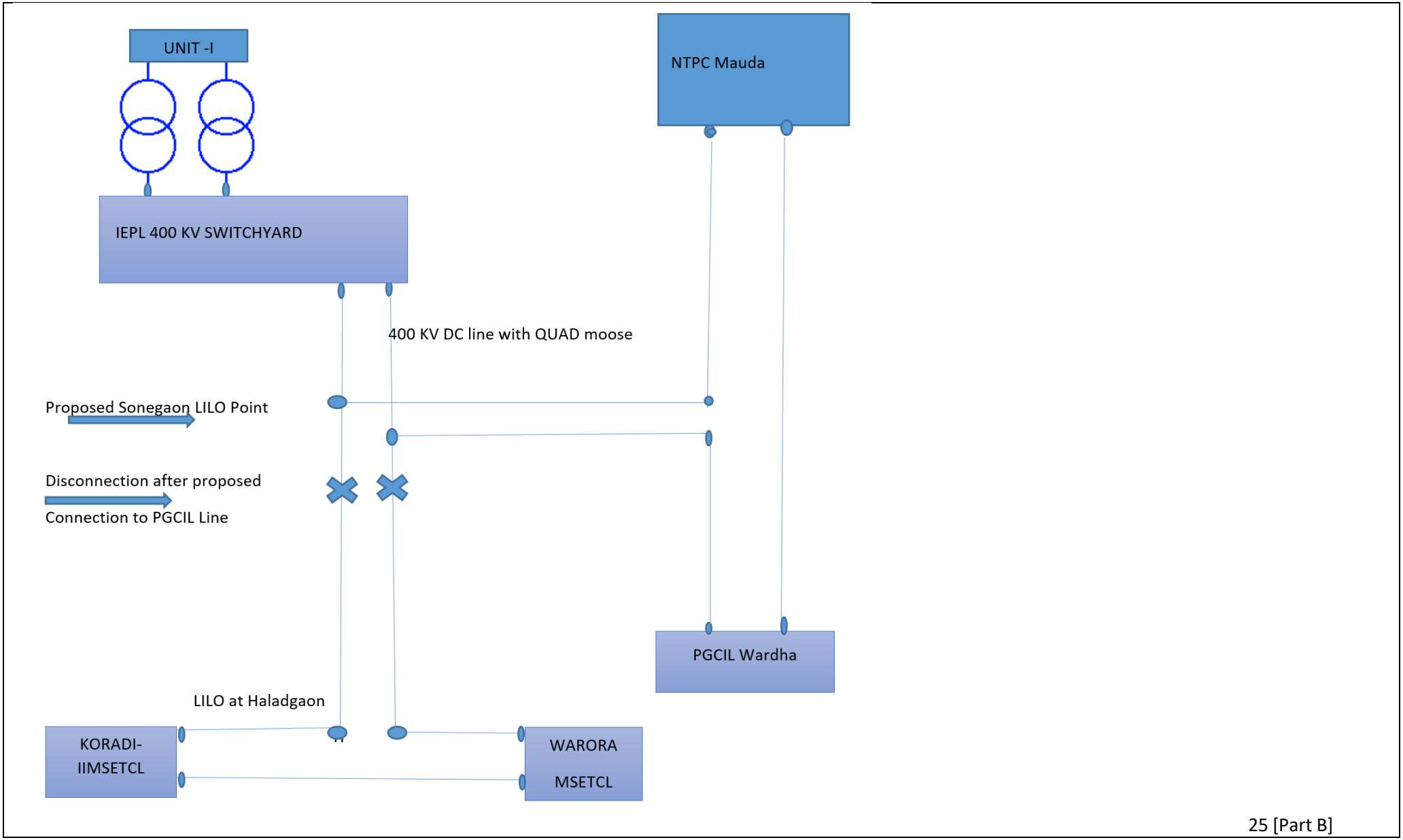
S No.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Criterion for applying	Energy Source	Location (Requested)	Quantum	Type of Connectivity required
59.	2200002995	JIRE Green Energy Project Four Limited	31-Dec-25	22:52:48	WR	Land BG Route	Hybrid (RHGS)	Devpur, Bhuj, Kutch, Gujarat	340	Full day access

Applications for Thermal Energy Source

S no.	Application ID	Name of the Applicant	Submission Date	Submission Time	Region	Energy Source	Location (Requested)	Quantum	Start Date
1.	2200002676	Ideal Energy Projects Limited	04-Dec-25	12:10:32	WR	Thermal	LILO of one ckt of Mouda to Wardha 400kV D/c Line	270MW	01.04.2027

Presently, 1x270MW TPP of M/s Ideal Energy Projects Ltd. (IEPL) is connected to the In-STS system through LILO of one circuit of the Koradi – Warora 400 kV D/c quad line of STU. Earlier, on account of the delay in commissioning of the Koradi – Warora 400 kV D/c quad line of STU, an interim arrangement was allowed for 1x270 MW TPS of IEPL through LILO of one circuit of 400 kV Mouda-Wardha quad line of ISTS. The same was disconnected upon commissioning of the STU system in December 2015.

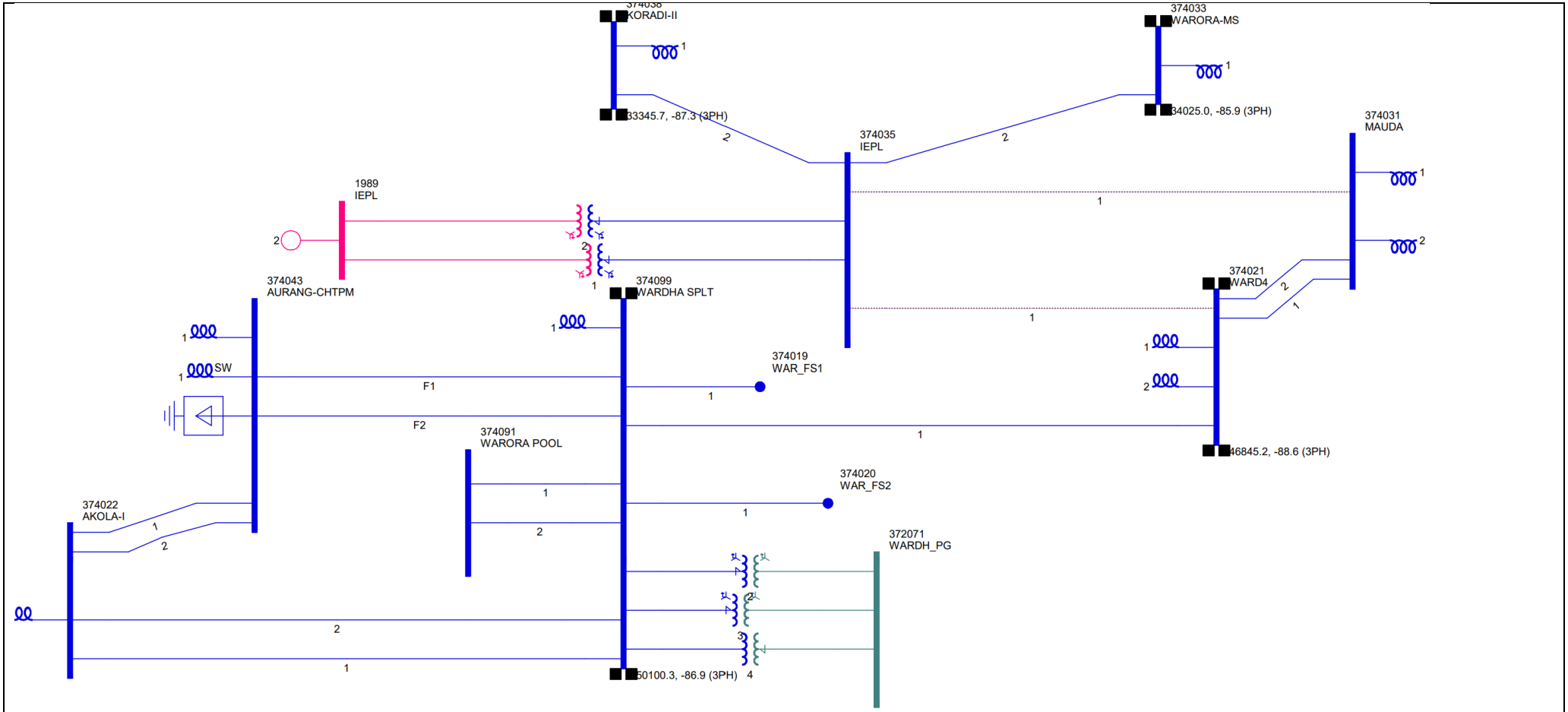
M/s IEPL vide letter dated 13/11/2025 requested CTU connectivity for the subject 1x270 MW TPS w.e.f. 01/04/2027 utilizing the above interim arrangement for ISTS interconnection and further has applied for ISTS Connectivity through NSWS portal as per subject application. The schematic of connectivity requested by M/s IEPL is given below:


UNIT -I
NTPC Mauda
IEPL 400 KV SWITCHYARD
400 KV DC line with QUAD moose
Proposed Sonegaon LILO Point
Disconnection after proposed
Connection to PGCIL Line
PGCIL Wardha
LILO at Haladgaon
KORADI-
IIMSETCL
WARORA
MSETCL

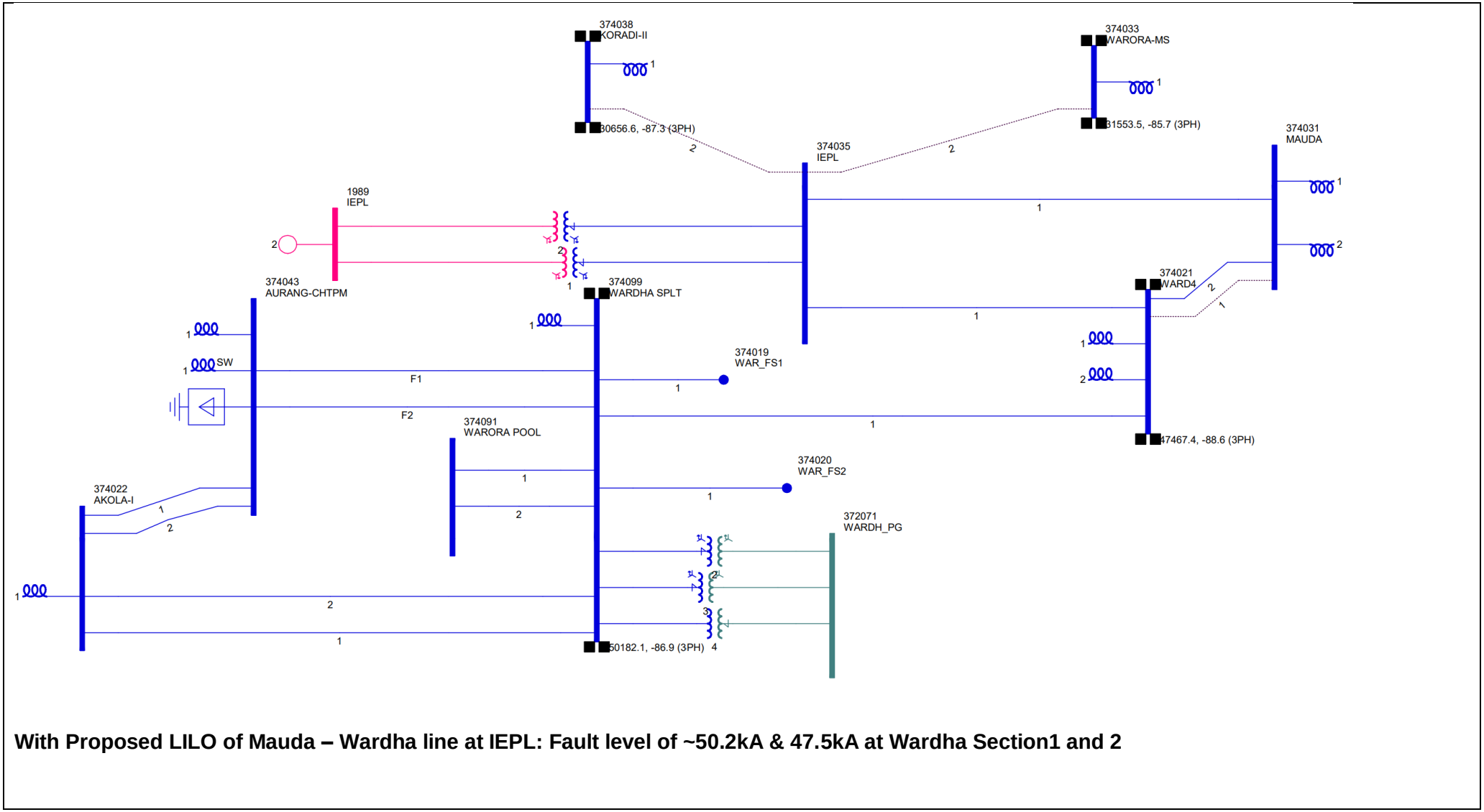
IEPL has informed the following vide e-mail dated 27.11.2025:

- IEPL 400 kV Switchyard is presently connected to STU by LILO arrangement on Koradi-II - Waroa MSETCL 400kV Line
- Part of the existing transmission line up to the proposed LILO point at Sonegaon, @ 12 km from IEPL Switchyard, shall be used for the proposed arrangement.
- PGCIL Line and IEPL MSETCL Line are adjacent to each other near Sonegaon
- Two Towers already exist between the IEPL MSETCL Line and the PGCIL Line of the previous arrangement, which existed till December 2015
- It is proposed that the IEPL line shall be connected to the PGCIL Wardha - Mauda line by making LILO

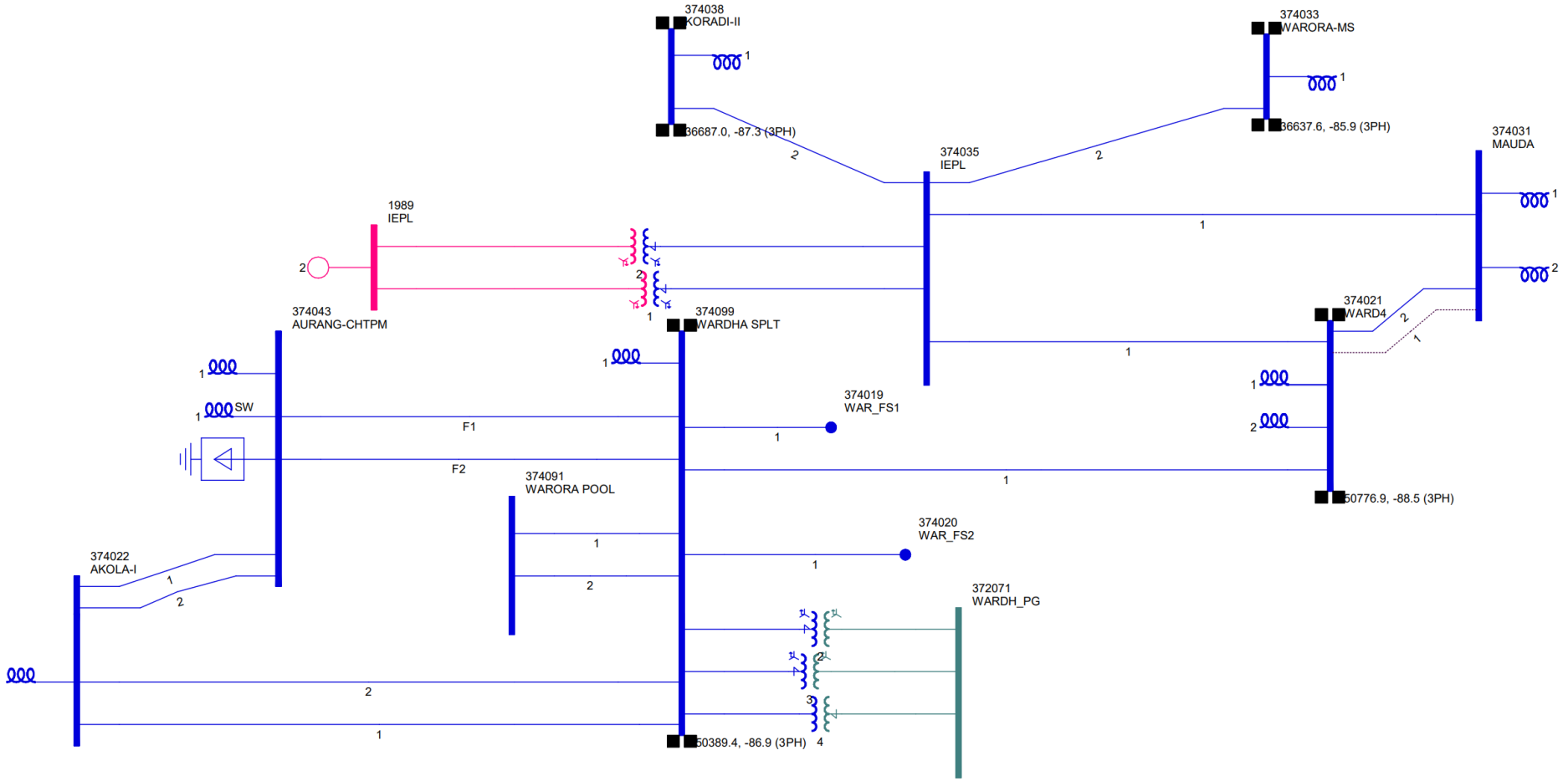
There exist fault level issues in Wardha complex, due to which it was split into two sections through a series Bus Reactors (12 ohms). While power flow issues are not envisaged in the proposed LILO, fault level issues need to be analysed before allowing the connectivity. The fault levels before and after the proposed interconnection are given below:



Original configuration: Fault level of ~50.1kA & 46.8kA at Wardha Section1 and 2



With Proposed LILO of Mauda – Wardha line at IEPL: Fault level of ~50.2kA & 47.5kA at Wardha Section1 and 2



With both LILOs in service: Fault level of ~50.4kA & 50.8kA at Wardha Section1 and 2

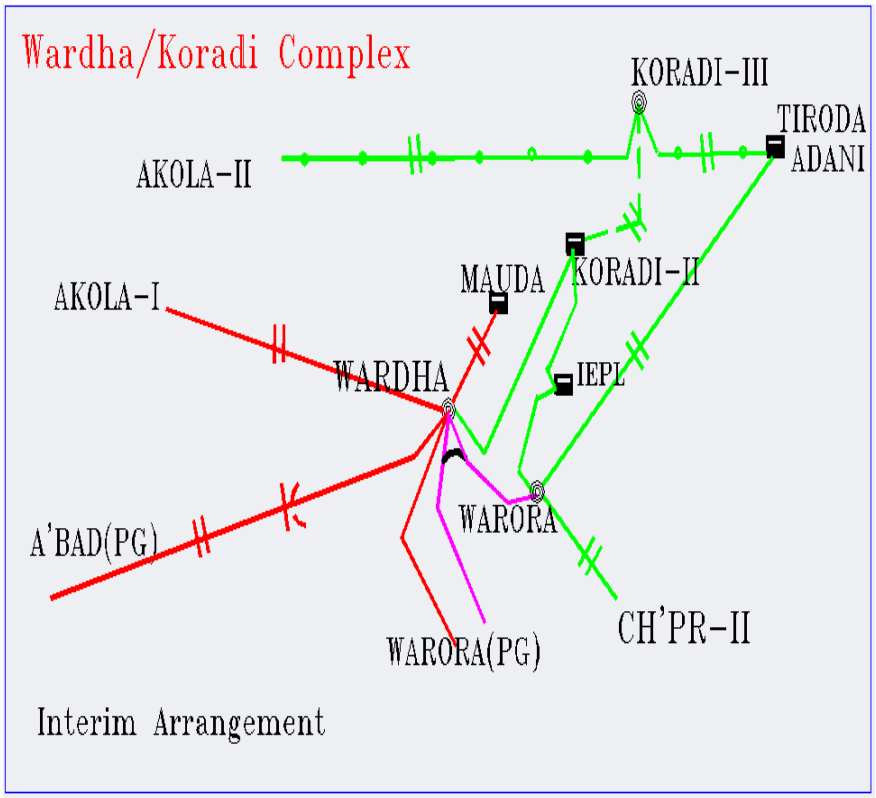
CTU stated that from the above analysis, it is observed that **the proposed LILO of one circuit of Mauda – Wardha 400 kV quad D/c line at 270 MW TPS of IEPL has only a marginal impact on fault levels at Wardha S/s, provided that the existing STU connectivity through LILO of one circuit of Koradi – Warora 400 kV D/c line at 270MW TPS of IEPL is disconnected.**

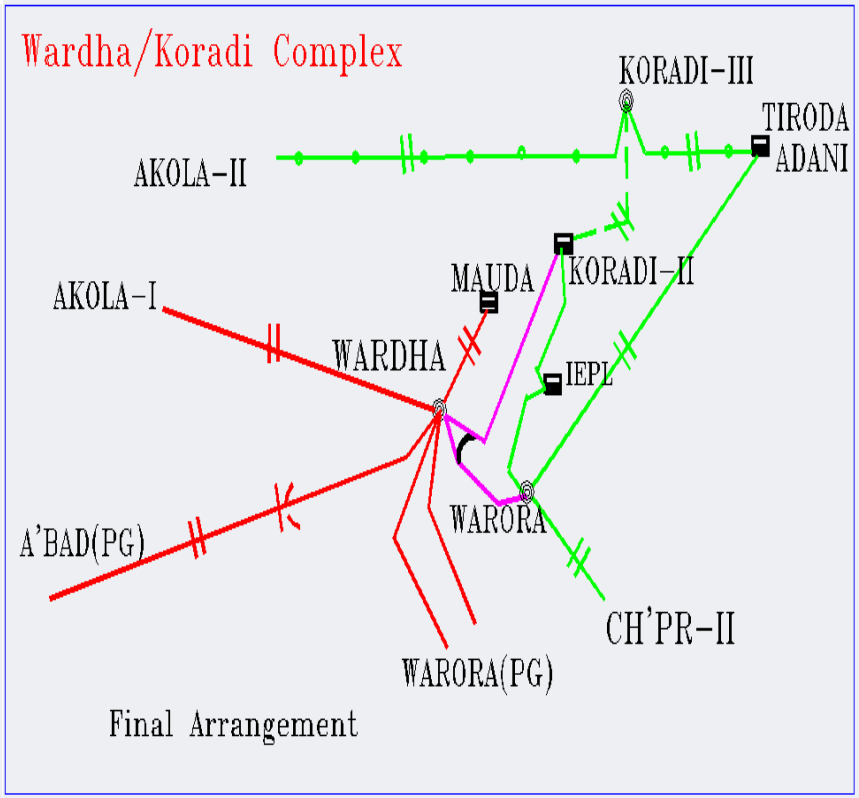
GRID-INDIA stated that the fault level analysis takes into account the Wardha Splitting Scheme agreed in the 41st WR SCM held on 21.12.2016, inter alia, involves bus splitting at 400 kV into 2 sections through a 12 ohm series reactor along with by-passing of (a) Koradi-II – Wardha 400 kV S/c (Quad) line and (b) Wardha – Warora 400 kV S/c (Quad) line at Wardha (PG), thereby forming Koradi II - Warora 400 kV S/c (Quad) line. However, an interim arrangement (line reconfiguration through Slack jumper/ERS utilizing the bypassing arrangement already being implemented at Wardha S/s by POWERGRID) was agreed in a meeting at CEA on 04.02.2022 till commissioning of planned STU schemes[#]:

- Bypassing of Warora (PG) – Wardha (one ckt) and Wardha – Warora (M) 400kV S/c line at Wardha S/s to form Warora (PG) – Warora (M) 400kV S/c line

[#]STU schemes:

- Installation of 2x500 MVA, 400/220kV ICTs at Warora (MSETCL) S/s
- LILO of 2nd D/c of Bhadrawati - Chandrapur 400 kV 2xD/c LILO at Chandrapur (II)





GRID-INDIA stated that MSETCL may intimate the status of In-STS works as well as the plan of action for implementation of the Final Arrangement as given above.

No representative of MSETCL was present in the meeting.

It was discussed that the matter was deliberated in the 4th CMETS-WR meeting held on 28.02.2022, in which the contingency arrangement [Bypassing of Warora(PG) – Wardha (one ckt) and Wardha – Warora(M) 400 kV S/c line at Wardha S/s to form Warora (PG) – Warora (M) 400 kV S/c line as given above] was agreed as an interim arrangement till the commissioning of the Intra-state schemes planned by MSETCL progressively by May'23. On commissioning of

the above two transmission elements by MSETCL, removal of the contingency arrangement and implementation of the final configuration as per "Scheme to control fault level at Wardha S/s" shall be done by POWERGRID. Hence, the status of implementation of Final arrangement shall be sought from POWERGRID & MSETCL separately.

After deliberations, connectivity at ISTS was agreed to be granted to 270MW TPS of IEPL from 01.04.2027 as per details given below:

Dedicated Transmission Line (DTL):
Under the scope of the applicant:

1. LILO of one circuit of Mauda - Wardha 400 kV D/c (quad) line at 270 MW TPS of IEPL
2. Upon implementation of the above LILO, the existing LILO of one circuit of the Koradi – Warora 400 kV line of MSETCL at IEPL shall be disconnected.

***Note**: It shall be the responsibility of the applicant to obtain necessary clearances from STU for ensuring the above disconnection (at Sl. No. 2) and also to ensure that the generating station is not simultaneously connected to both STU and ISTS networks for the subject connectivity quantum. Effectiveness of Connectivity under GNA shall not be contingent on the above.*

Amount of Conn-BG1: Rs. 0.5 Cr.

Amount of Conn-BG3 @2 lakh/MW: Rs. 5.4 Cr.

Applicant Agreed to the above.

5. Processing of new GNA Applications under Reg. 17.1 (iii)

Dec'25

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
1.	2200002629	Torrent Power Limited	02-12-2025	WR	Distribution licensee seeking to connect to ISTS	400.0	400.0	800.0	01-05-2026	30-04-2051

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
• Applied for GNA_{RE}: No • Nearest ISTS sub-stations: Pirana (Torrent) 400 kV and Nicol-2 (Torrent) 400 kV										
2.	2200002630	Torrent Power Limited	02-12-2025	WR	Distribution licensee seeking to connect to ISTS	50.0	50.0	100.0	01-05-2026	30-04-2029
• Applied for GNA_{RE}: No • Nearest ISTS sub-stations: Sugen (400 kV) S/S										

With respect to the above applications (2200002629 and 2200002930), the following was informed:

i. M/s Torrent Power Ltd. (TPL), vide intimation dated 16.11.2006, was granted **500MW** LTOA for the transfer of power from **3x382.5MW Sugen CCPP** to Torrent Power (AEC), Torrent Power (SEC), MP, and Maharashtra with the following transmission system strengthening:

- Sugen CCPP – Pirana(PG) 400kV D/c line
- LILO of Gandhar – Vapi 400kV S/c line at Sugen CCPP switchayard
- Installation of 3x315MVA, 400/220kV transformers at SUGEN CCPP
- 2 nos. 400kV line bays at 400/220kV Pirana (PG) S/s for termination of D/c line from Sugen CCPP

ii. M/s Torrent Power Grid Ltd. (TPGL) was granted the inter-State transmission license on 16.5.2007 vide its Order dated Petition No. 97/2006, to build, own, and operate the transmission system for the evacuation of power from Sugen CCPP. Upon the grant of the inter-State transmission licence, implementation of the transmission system was undertaken by Torrent Power Grid Ltd. (TPGL).

iii. The transmission licence granted to TPGL was amended by the Hon'ble Commission vide order dated 1.12.2010 in Petition No. 10/2010 for carrying out LILO of SUGEN – Pirana (PG) 400kV D/c line at Pirana (TPL), enabling direct supply of power from Sugen CCPP to TPL Ahmedabad, one of the beneficiaries under Sugen CCPP's LTOA. The transmission system was executed in three phases as detailed below:

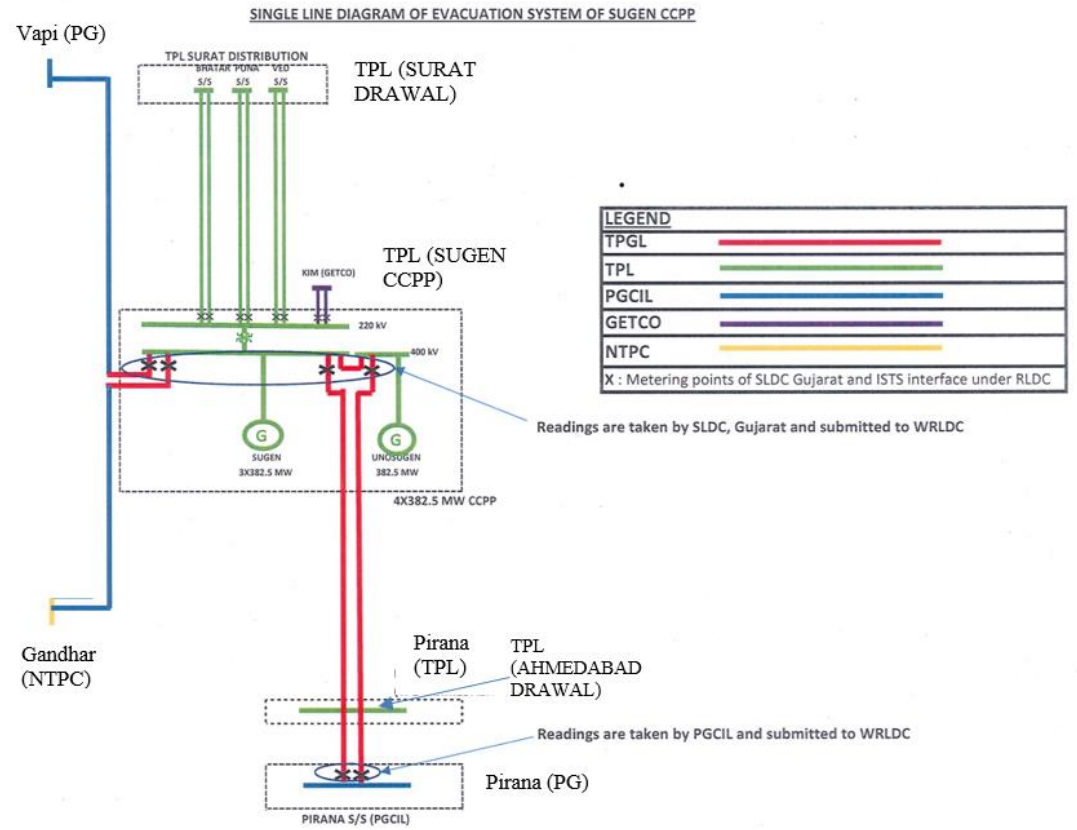
Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA

- Phase 1: 400 kV Loop in Loop out (LILO) at SUGEN bus on one circuit of the Gandhar (Jhanor) - Vapi Line of PGCIL. – **01.03.2009 (COD)**
- Phase 2: 400 kV D/C line from SUGEN to the point near Gandhar and LILO on one circuit of the Gandhar (Jhanor) - Dehgam Line of PGCIL near Gandhar. – **01.04.2010 (COD)**
- Phase 3: Extending 400 kV D/C line from LILO point on Jhanor (Gandhar)-Dehgam line to 400 kV Sub-station of PGCIL at Pirana (Kamod) with two 400 kV line bays and LILO at 400 kV Pirana Sub-station of Torrent Power Ltd along with opening of LILO point near Gandhar. – **01.04.2011 (COD)**

iv. Subsequently, in the 16th Meeting of the WR constituents regarding Connectivity/Open Access Applications held on 09.05.2012, M/s TPL informed that it had signed a PPA of 100 MW with the state of MP for its **3x382.5MW Sugen CCPP**. Since PPAs for the balance capacity were yet to be tied up, M/s TPL requested a reduction of LTOA from **500MW to 300MW for its 3x382.5MW Sugen CCPP**. Accordingly, the revised LTA granted to TPL for its **3x382.5MW Sugen CCPP** became **300MW [100MW(MP) & 200MW (WR(Target)].**

v. Thereafter, TPL relinquished 50 MW LTA from MP, and the effective **LTA for Sugen CCPP** stood at **250MW [50MW(MP) & 200MW (WR(Target)], prior to the GNA Regulations, 2022.**

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA



vi. M/s TPL has opted for the conversion of 382.5 MW from its 1x382.5 MW Unosugen CCPP and 1200 MW from its 3x400MW DGEN CCPP to GNA under Regulation 37.6(1) of GNA Regulations, 2022. Further, 1147.5MW from TPL's 3x382.5 MW Sugen CCPP has been converted to GNA under various

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA

provisions of GNA Regulations, 2022 [i.e., 50MW deemed GNA under Regulation 18.1, 200MW under Regulation 37.6(2), 250MW under Regulation 37.6(1), and 647.5MW under Regulation 37.6(1) under GNA Regulations, 2022 in line with CERC order dated 22/09/2023 in Petition No. 11/SM/2023].

vii. TPL was granted LTA of 800 MW as a distribution licensee (Inside Region: 400MW & Outside Region: 400MW) through the establishment of 3x315 MVA, 400/132 kV Nicol S/s, which is interconnected with ISTS. Further, LTA for 100 MW granted as a distribution licensee (Inside Region: 100 MW & Outside Region: 100 MW) to TPL (Surat) through the establishment of 4x315 MVA, 400/132 kV ICTs at Sugen CCPP switchyard, which is interconnected with ISTS. The same is presently operational.

In the 21st and 22nd CMETS-WR meetings held on 29.08.2023 and 31.10.2023, respectively, M/s TPL (Ahmedabad) was granted GNA at 400 kV Pirana (Torrent) & 400 kV Nicol (Torrent) S/s, and M/s TPL(Surat) was granted GNA at 400 kV Sugen CCPP switchyard with the end date of **30.04.2026**. The applicants have now reapplied for GNA starting from **01.05.2026** onwards.

It is understood that the earlier granted GNA is being rolled over, with clear segregation between ISTS-connected and In-STS-connected load. In view of the above, the applications were agreed for grant of GNA through the Existing Transmission System, as detailed below, as per the duration provided in the above table**:**

Drawl point for M/s TPL(Ahmedabad) for 800MW GNA (application no. 2200002629):

- TPL shall draw power from 3x315 MVA, 400/132 kV ICTs at Nicol (T) S/s (through Nicol (T) – Ranchhodpura (GETCO) 400kV & Nicol (T) – Pirana (PG) 400kV S/c lines) and through 4x315 MVA, 400/132 kV ICTs at Pirana (T) S/s (through LILO of Sugen – Pirana (PG) 400kV D/c line) – *Existing System*

Drawl point for M/s TPL(Surat) for 100MW GNA (application no. 2200002630):

TPL shall draw power from 4x315MVA, 400/132kV ICTs at Sugen (TPL) switchyard, (which is interconnected with ISTS through Sugen – Pirana (T) – Pirana (PG) 400kV D/c line & LILO of Gandhar – Vapi 400kV line at Sugen) – Existing System

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Nature of applicant	GNA within Region (MW)	GNA outside Region (MW)	Total Quantum (MW) of GNA Required	Start date of GNA	End date of GNA
3.	2200002962	Support Properties Private Limited	24-Dec-25	WR	Bulk consumer (including Green Hydrogen / Green Ammonia) seeking to connect to ISTS directly	418.0	0	418.0	01-12-2027	31-12-2051
4.	2200002964	Support Properties Private Limited	24-Dec-25	WR	Bulk consumer (including Green Hydrogen / Green Ammonia) seeking to connect to ISTS directly	74.0	0	74.0	01-01-2028	31-12-2051
5.	2200002965	Support Properties Private Limited	24-Dec-25	WR	Bulk consumer (including Green Hydrogen / Green Ammonia) seeking to connect to ISTS directly	174.0	0	174.0	01-02-2028	31-12-2051
6.	2200002966	Support Properties Private Limited	24-Dec-25	WR	Bulk consumer (including Green Hydrogen / Green Ammonia) seeking to connect to ISTS directly	152.0	0	152.0	01-03-2028	31-12-2051

- Applied for GNA_{RE}: No
- Nearest ISTS sub-stations: Navi Mumbai (GIS) S/s

Status update on already granted GNA to M/s Support Properties Private Limited (SPPL):

The following was informed w.r.t. earlier applications received from M/s SPPL:

- M/s SPPL Applied for 700MW GNA vide 14 applications of 50MW each as a Bulk Consumer in July'24.
- The applications were deliberated in the 32nd WR CMETS held on 24.09.2024, wherein it was agreed to grant GNA to all applications of M/s SPPL (cumulatively 700MW) at South Kalamb S/s through the following system with the start date of 01.01.2027 onwards:

Dedicated Transmission System for GNA:

Appl. No. 2200000833 (50MW):

- SPPL – South Kalamb 400kV D/c line along with associated bay at South Kalamb S/s end (at the cost of entity).
- 2 no. 400kV bays at SPPL switchyard (under the scope of SPPL).

Other applications:

- M/s SPPL, as per Reg. 17.3 of the GNA Regulations, 2022, shall share the Dedicated Transmission System for GNA identified for M/s SPPL against application no. 2200000833 for 50MW GNA as mentioned above.

Common Transmission System Augmentation for GNA:

Under Construction:

- Establishment of 765/400/220 kV South Olpad (GIS) S/s with 2 x 1500MVA ICTs & 2x500 MVA ICTs
- Vadodara – South Olpad(GIS) 765kV D/c line
- Ahmedabad – South Olpad (GIS) 765kV D/c line
- Establishment of 765/400/220kV Boisar-II (GIS) S/s with 4 x 1500MVA ICTs & 2x500 MVA ICTs
- South Olpad – Boisar-II 765kV D/c line
- LILO of Navsari (New) – Padghe (PG) 765kV D/c line at Boisar-II
- Boisar-II (Sec-II) – Velgaon (MH) 400 kV D/c
- LILO of Babhaleswar – Padghe (M) 400 kV D/c line at Boisar-II (Sec-I)
- Establishment of 765/400/220kV Pune-III (GIS) S/s with 3 x1500 MVA ICTs & 3x500MVA ICTs
- Boisar-II – Pune-III 765kV D/c line
- LILO of Narendra (New) – Pune(GIS) 765kV D/c line at Pune-III

Accordingly, GNA was granted to SPPL vide 14 nos. intimations dated 24/10/2024, as detailed below:

Sl. No.	Application no.	Name of Applicant	Submission Date	GNA or GNA-RE	GNA Start date requested by Applicant	GNA granted (MW)	ISTS connectivity substation	Date of GNA Intimation	Start Date of GNA
1.	2200000833	Support Properties Private Limited	30-May-24	GNA	01-Jan-27	50	South Kalamb S/s	24-Oct-24	01-Jan-27
2.	2200000950	Support Properties Private Limited	02-Jul-24	GNA	01-Apr-27	50	South Kalamb S/s	24-Oct-24	01-Apr-27
3.	2200000966	Support Properties Private Limited	02-Jul-24	GNA	01-May-27	50	South Kalamb S/s	24-Oct-24	01-May-27
4.	2200000949	Support Properties Private Limited	02-Jul-24	GNA	01-Jun-27	50	South Kalamb S/s	24-Oct-24	01-Jun-27
5.	2200000965	Support Properties Private Limited	02-Jul-24	GNA	01-Aug-27	50	South Kalamb S/s	24-Oct-24	01-Aug-27
6.	2200000963	Support Properties Private Limited	02-Jul-24	GNA	01-Dec-27	50	South Kalamb S/s	24-Oct-24	01-Dec-27
7.	2200000964	Support Properties Private Limited	02-Jul-24	GNA	01-Apr-28	50	South Kalamb S/s	24-Oct-24	01-Apr-28
8.	2200000962	Support Properties Private Limited	02-Jul-24	GNA	01-Jul-28	50	South Kalamb S/s	24-Oct-24	01-Jul-28
9.	2200000961	Support Properties Private Limited	02-Jul-24	GNA	01-Oct-28	50	South Kalamb S/s	24-Oct-24	01-Oct-28
10.	2200000960	Support Properties Private Limited	02-Jul-24	GNA	01-Feb-29	50	South Kalamb S/s	24-Oct-24	01-Feb-29
11.	2200000959	Support Properties Private Limited	02-Jul-24	GNA	01-May-29	50	South Kalamb S/s	24-Oct-24	01-May-29
12.	2200000957	Support Properties Private Limited	02-Jul-24	GNA	01-Sep-29	50	South Kalamb S/s	24-Oct-24	01-Sep-29
13.	2200000952	Support Properties Private Limited	02-Jul-24	GNA	01-Jan-30	50	South Kalamb S/s	24-Oct-24	01-Jan-30
14.	2200000951	Support Properties Private Limited	02-Jul-24	GNA	01-May-30	50	South Kalamb S/s	24-Oct-24	01-May-30

- Subsequently, SPPL furnished Conn-BG1 of 7Cr. (50lakh per application) & Conn-BG3 of 14 Cr. (2 lakh/MW).
- Thereafter SPPL vide letter dated 22/01/2025, requested cancellation of the entire GNA of 700 MW granted to it, stating that the project now requires power availability earlier than initially envisaged and that the approved COD has become unfeasible in view of its revised power requirements
- CTUIL vide letter dtd.20/03/2025 relinquished the 700 MW GNA with immediate effect in line with GNA Regulations, 2022.
- **Taking cognizance of the cancellation request of M/s SPPL, the South Kalamb S/s (approved in the 20th NCT Meeting held on 25.06.2024 and Gazette Notification issued on 21.08.2024) was decided to be linked with 1200 MW Bhivpuri PSP (i.e., 01.01.2028) without linking it with the requirement of SPPL's applications (i.e., 24 months), and the scheme was awarded with SCOD of 01.01.2028:**

    - Establishment 2x1500 MVA, 765/400 kV Substation near South of Kalamb
    - LILO of Pune-III – Boisar-II 765 kV D/c line at South Kalamb S/s with associated bays at South Kalamb S/s

- Subsequently, on 04.04.2025, M/s SPPL vide its letter requested to withdraw their previous letter dated 22.01.2025 and sought continuation of the GNA applications. The letter requesting the withdrawal of the GNA cancellation request and reinstatement of the GNA was not accepted, as once the GNA stands relinquished, there are no such Regulatory provisions for reinstatement of the GNA. SPPL approached the Hon'ble Commission (vide petition no. 451/MP/2025), and the matter got subjudice.

- Subsequently, CERC vide order dated 14.02.2026 in the Petition No. 451/MP/2025, has held that:

    "28. …Accordingly, we are of the considered view that the case is fit for consideration. We note that the provision of Conn-BGs under the GNA Regulations has been made to ensure that utilisation of the GNA grant commences as per the stipulated timeline. As per regulation, relinquishment would have caused encashment of BG amount of Rs 21 crore; however, in this case ***Commission allows the withdrawal request of Relinquishment of the petitioner with notional charge of 10% of BG amount, relaxing Regulatory provisions in order to encourage this emerging sector of Data Centres.***

29. As discussed above, we are of the view that Petitioner should be allowed to continue with 700 MW GNA granted vide different 14 GNA grants by CTUIL, with subsisting Conn BGs already furnished in terms of such grants. Accordingly, ***CTUIL is directed to reinstate/ restore the GNA of the Petitioner in accordance with the revised SCOD of the transmission system after the Petitioner deposits a notional charge of 10% of the BG amount****…*

31. To summarise, considering the discussions above, we are of the view that Petitioner is allowed to continue with its 700 MW GNA with a revised start date, subject to submission of an amount equivalent to 10% of the total ConnBG amount and compliance with the GNA Regulations."

It was informed that in view of the above developments, the above connectivity granted to M/s SPPL shall be reinstated in accordance with the revised SCOD of the transmission system (i.e., 01.01.2028) after M/s SPPL deposits a notional charge of 10% of the BG amount. Further, the start date of GNA for grants at Sl. 1 to 6 in the table above shall be modified to 01.01.2028 (matching with revised SCOD of the transmission system (i.e., 01.01.2028)).

- **New Applications from SPPL:**

With respect to the new applications received from M/s SPPL, it was informed that SPPL has applied for 818 MW cumulatively through the above 4 nos. new applications received in Dec-25.

From system studies, it is observed that no additional transmission system is required to be implemented under ISTS for subject GNA applications, other than the ISTS system, which is already under implementation as part of various schemes.

In view of the above, GNA was agreed to be granted to SPPL at South Kalamb S/s through the following system (assuming the re-instation to already granted GNA to M/s SPPL):

Dedicated Transmission System for GNA:

M/s SPPL as per Reg. 17.3 of the GNA Regulations, 2022, shall share the Dedicated Transmission System for GNA identified for M/s SPPL against application no. 2200000833 for GNA for 50MW as given below:

- SPPL – South Kalamb 400kV D/c line along with associated bay at South Kalamb S/s end (at the cost of the entity).
- 2 no. 400kV bays at SPPL switchyard (under the scope of SPPL).

Common Transmission System Augmentation for GNA:

Under Implementation:

Transmission System for Evacuation of Power from a potential renewable energy zone in Khavda area of Gujarat under Phase-IV (7 GW)

Part B (Powergrid)

- Establishment of 765/400/220 kV South Olpad (GIS) S/s
- Vadodara – South Olpad 765 kV D/c line
- LILO of Gandhar – Hazira 400 kV D/c line at South Olpad (GIS)
- Ahmedabad – South Olpad (GIS) 765 kV D/c line

Part C (Sterlite)

- Establishment of 765/400/220 kV Boisar-II (GIS) S/s
- South Olpad – Boisar-II 765 kV D/c line
- LILO of Navsari (New) – Padghe (PG) 765 kV D/c line at Boisar-II
- Boisar-II (Sec-II) – Velgaon (MH) 400 kV D/c
- LILO of Babhaleshwar – Padghe (M) 400 kV D/c line at Boisar-II (Sec-I)

Part D (Adani)

- Establishment of 765/400/220kV Pune-III (GIS) S/s
- Boisar-II – Pune-III 765kV D/c line
- LILO of Narendra (New) – Pune (GIS) 765kV D/c line at Pune-III
- LILO of Hinjewadi-Koyna 400 kV S/c line at Pune-III (GIS) S/s

Network Expansion scheme in Western Region to cater to Pumped storage potential near Talegaon (Pune)

- Establishment 2x1500 MVA, 765/400 kV Substation near South of Kalamb with 2x330 MVAR, 765 kV bus reactor and 2x125 MVAR, 420 kV bus reactor
- LILO of Pune-III – Boisar-II 765 kV D/c line at South Kalamb S/s

Under Bidding

Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-5: 6 GW) [Barmer Complex] Barmer-II: 6 GW (Solar)

- Establishment of 6000 MW, ± 800kV South Kalamb S/s (HVDC) [LCC] terminal station (4x1500 MW) at a suitable location near South of Kalamb

- ±800 kV HVDC Bipole line (Hexa lapwing) between Barmer-II (HVDC) & South Kalamb (HVDC) (with parallel Dedicated Metallic Return) (capable of evacuating 6000MW) [with 100% reverse power capability]

- Augmentation of South Kalamb S/s by 4x1500MVA, 765/400kV ICTs (3 on 400kV & 765kV Section-II & 1 No. on 400kV & 765kV Section-I) along with 2x330 MVAR, 765 kV bus reactor & 2x125 MVAR, 420 kV bus reactor on Section-II.

In case M/s SPPL does not comply with the directions of Hon'ble Commission w.r.t. earlier granted GNAs to M/s SPPL, the transmission system proposed above shall be reviewed in subsequent meetings.

6. Rearrangement of connectivity across different terminal bay(s) of the Bhuj-II ISTS substation, pursuant to the request made by M/s ABREL (RJ) Projects Limited

The following was informed w.r.t request received from M/s ABREL (RJ) Projects Limited regarding the rearrangement of connectivity across different terminal bay(s) of the Bhuj-II ISTS substation:

a) The application of M/s ABREL (RJ) Projects Ltd. Application No. 2200000288 was discussed in the 1st sitting of 22nd CMETS-WR, where it was agreed to grant Connectivity for 314MW for its proposed RE power plant in Kutch, Gujarat through 1 no. 220kV line bay at Bhuj-II PS section-II, to be implemented under the scope of ISTS.

b) Later, the final grant of connectivity intimation dated 20th June 2025 was issued to the applicant for its 314 MW wind-solar hybrid power project to be connected at ISTS Bhuj-II, Gujarat. **Bay No. 217 (on section II) at Bhuj-II PS** was allocated to M/s ABREL(RJ).

c) The above application was granted with below Augmentation (other than ATS) as per the details below:

"*Augmentation of transformation capacity at Bhuj-II PS (GIS)*" (Part System) - Under Implementation (under ISTS) by POWERGRID Bhuj Transmission Limited:

- Augmentation of transformation capacity at Bhuj-II PS (GIS) by 2x500 MVA, 400/220 kV ICT (5th & 6th) and by 1x1500 MVA, 765/400 kV ICT (3rd).

The SCOD of the above system is **24.11.2026.**

SCOD of 220 kV line bay at Bhuj-II PS is also **24.11.2026,** which is under implementation as part of the above transmission scheme

d) On 2.9.2021, CTUIL sent an intimation of the grant of the 300 MW Stage II Connectivity to Inox Wind Infrastructure Services Limited (IWISL) (Appl. No. 1200003353) for its proposed 300 MW Wind Power Plant at Kutch, Gujarat and allocated **Bay No. 204 (on Section-I)** at Bhuj II PS to the applicant, implemented under the scope of ISTS.

Later, the name of the applicant was changed from Inox Wind Infrastructure Services Limited to Inox Green Energy Services Limited. CTUIL vide letter dated 20.1.2023 made effective the LTA for the 300 MW w.e.f. 1.2.2023, after commissioning of the identified transmission system for the LTA.

Later, IWISL was granted deemed GNA for the 300 MW under Regulation 18.1 of the GNA Regulations. CTUIL, vide letter dated 24.1.2025, issued a notice requiring the update of information regarding the commissioning of the 300 MW capacity, or

the extended SCOD, or delayed commissioning permitted by REIA. The notice stipulates that such information must be furnished within 15 days of its issuance, for appropriate action in terms of Regulation 24.6.

On 10.3.2025, CTUIL revoked the 300 MW connectivity and deemed GNA, citing non-commissioning of the capacity within the prescribed timeline and referencing prior notices. Subsequently, CERC in order dated 17.11.2025 in Petition No. 428/MP/2024 and 45/IA/2025 has upheld the revocation of connectivity by CTUIL.

e) Now that the above **Bay No. 204 (on Section-I)** at Bhuj II PS has become vacant, M/s ABREL (RJ) Projects Ltd vide letter dated 28th Nov 2025 has requested for rearrangement of connectivity across different terminal bay(s) of same ISTS substation, towards final grant of connectivity intimation no. CTU/WR/CONN-INT-1C/2200000288 dated 20th June 2025, quoting the following Regulation:

As per CERC GNA regulation 2022,

> ***11.4.*** *For optimal utilisation of transmission system, the Nodal Agency with consent of the concerned Connectivity grantee(s), may rearrange the Connectivity across different terminal bay(s) of the same ISTS substation.*

In light of the above, M/s ABREL(RJ) has requested consideration under Regulation 11.4 for the rearrangement of connectivity across different terminal bay(s) of the same ISTS substation. Specifically, they propose that the terminal bay corresponding to the cancelled connectivity of Inox be utilized for their project. This arrangement would facilitate commissioning of the project, ensure productive use of the now vacant bay, and promote optimal utilisation of the transmission system.

f) It may be noted that Bhuj PS and Bhuj-II PS have been planned for power evacuation from the Bhuj complex. Connectivity of certain few RE generators has been revoked at both the Pooling Stations, and their reallocation is to be undertaken as per provisions of the 3rd Amendment of GNA Regulations.

g) However, as the re-allocation procedure is yet to be finalized, the matter may be deliberated to consider applicant's request under Regulation 11.4, concerning re-arrangement of bays within the same substation (Bhuj-II PS). This would enable optimal and early utilization of the vacated 220kV bay of M/s Inox [Bay No. 204 (on Sec-I)], subject to the views / consent of all RE developers in Bhuj complex (Bhuj PS & Bhuj-II PS), whose generation capacity is yet to be commissioned (even partly) and

whose applications are received up to the date of receipt of application of M/s ABREL(RJ), in order of priority by date of application.

The 220kV bay of M/s ABREWL(RJ) shall remain available for re-allocation, as and when the exercise is carried out after the subject re-arrangement.

Further, the proposed rearrangement shall not result in any change to the firm start date of connectivity, details of CTS, or other details as specified in the final grant and liability for payment of transmission charges [including that of Bay No. 217 (on Section-II) at Bhuj II PS] shall remain unchanged.

h) The list of applications in Bhuj complex which are yet to get commissioned (i.e., which are yet to commission even part capacity as per status updated in 50th JCC meeting held in Dec-25) up to the date of receipt of application of M/s ABREL(RJ), in order of priority as per date of application, is given below:

Sl. No.	Name of Applicant (Organization)	Stage-II/ GNA application number	RE Pooling Station	Stage-II Appl. Date	Present Connectivity
	Bhuj-II PS Section-1				
1	Inox Green Energy Services Ltd. (Formely Inox Wind Infrastructure Services Ltd)	1200003353	Bhuj-II PS(GIS)	26-Jul-21	0 (Revoked)
2	NTPC Renewable Energy Limited	2200000076	Bhuj-II PS(GIS)	5-Jun-23	300
3	NTPC Renewable Energy Limited	2200000084	Bhuj-II PS(GIS)	9-Jun-23	150
4	NTPC Renewable Energy Limited	2200000154	Bhuj-II PS(GIS)	13-Jul-23	200 (50MW commissioned)
5	SJVN Green Energy Limited	2200000204	Bhuj-II PS(GIS)	25-Aug-23	360
	Bhuj PS				
6	NTPC Renewable Energy Limited	2200000218	Bhuj PS	6-Sep-23	155 (Under advanced stage of commissioning – Mar-26, on sharing basis with Ayana)

Sl. No.	Name of Applicant (Organization)	Stage-II/ GNA application number	RE Pooling Station	Stage-II Appl. Date	Present Connectivity
	Bhuj-II PS Section-2				
1	ABREL (RJ) Projects Limited	2200000288	Bhuj-II PS(GIS)	30-Sep-23	314

The various connectivity grantees were requested to provide their views/consent for the utilization of the vacated Bay No. 204 at Bhuj-II PS (Sec-I).

Representative of M/s NTPC Renewable Energy Limited stated that they do not want to utilise the Bay No. 204 for any of their projects as their projects are in advanced stages of commissioning in already allotted bays.

No representative of M/s SJVN was present at the meeting.

Representative of ABREL (RJ) Projects Limited agreed to utilise the vacated Bay No. 204 at Bhuj-II PS (Sec-I) without any change to the firm start date of connectivity, details of CTS, or other details as specified in the final grant and that the liability for payment of transmission charges [including that of Bay No. 217 (on Section-II) at Bhuj II PS] shall remain unchanged post the proposed re-arrangement.

It was deliberated that since no representative of SJVN has attended the meeting, they shall be given one final opportunity vide separate mail to provide their views on the proposal, post which the bay no. 204 at Bhuj-II PS (Sec-I) shall be allocated to M/s ABREL (RJ) Projects Limited. Further, the 220kV bay of M/s ABREWL(RJ) (Bay No. 217 (on section II) at Bhuj-II PS) shall remain available for reallocation, as and when the reallocation exercise is carried out after the subject re-arrangement.

Subsequently, views, if any, were sought from M/s SJVN vide e-mail dated 27.02.2026 (latest by 28.02.2026), or else it would be considered that SJVN Green Energy Limited agrees with the rearrangement proposal. However, no response was received from SJVN.

In view of the above, Connectivity Details at SI no. B (8) vi [Bay no.] of the intimation for final grant of M/s ABREL(RJ) has been modified as below (vide letter dated 11.03.2026), and revised SLD has also been provided to the applicant:

	Original Text	**Revised Text**
B (8) vi: Bay no.	1 no. 220kV GIS Bay: Bay No. 217 (on section II).	1 no. 220kV GIS Bay: Bay No. 204 (on Section I).
B (9): Dedicated Transmission Line (DTL)	• ABREL(RJ)PL – Bhuj-II PS 220kV S/c line (on D/c tower) (# refer Note-A) along with associated bay at the generation end. (Under the scope of the applicant). • 220kV line bay at Bhuj-II PS is under implementation under the ISTS scheme "Augmentation of Transformation capacity at Bhuj-II PS (GIS)" by M/s PBTL	• ABREL(RJ)PL – Bhuj-II PS 220kV S/c line (on D/c tower) (# refer Note-A) along with associated bay at the generation end. (Under the scope of the applicant). • 220kV line bay at Bhuj-II PS has already been implemented under ISTS •

The meeting ended *with a vote of thanks.*

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