Agenda of the 17th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) to be held on 29.03.2023

1.0 Confirmation of Minutes of the previous meeting

The minutes of the 16th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 27.02.2023 were issued vide letter dated 24.03.2023. The minutes may be confirmed.

A. Application related matters in Western Region

1.0 Stage-I & Stage-II Connectivity applications

A: Stage-I Connectivity Applications:

The details of Stage-I Connectivity applications received in month of Feb, 2023, Jan, 2023 & Dec, 2022 in vicinity of Solapur (cumulative 1500MW) are given below. The Jan'23 & Dec'22 applications of Juniper Green Ray Two Private Limited (JGR2PL) & Hopper Energy Private Limited (HEPL) were discussed in the 16th CMETS-WR meeting on 27.02.2023 and M/s JGR2PL and M/s M/s HEPL were requested to explore the possibility of establishing a 220/400kV PS in between their project locations and connect its pooling station to RGESL's 33/400kV Generation PS through 400kV S/c line. Alternatively, the connectivity was proposed to be granted at the proposed Solapur PP S/s which has already been planned (under 66.5GW REZ schemes). After deliberations, the applications were decided to be deliberated again in next meeting.

Sl.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Connectivity location (requested)	Quantum (MW)	Connectivity sought from*	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
December, 2022									
1.	SW999779 1183-M029_D00 1_A006-	Juniper Green Ray Two Private	Generator (Solar)	13.12.2022	Solapur S/s	400	31.12.2024	Solapur S/s (Existing) OR Solapur PP	To be deliberated

Sl.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Connectivity location (requested)	Quantum (MW)	Connectivity sought from*	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
	1670331295795	Limited (JGR2PL)						(Proposed)	
January, 2023									
2	0131400017	Hopper Energy Private Limited (HEPL)	Renewable Power Park Developer (Wind)	30-01-2023	Solapur S/s	300	30.06.2026	Solapur S/s (Existing) OR Solapur PP (Proposed)	To be deliberated
February, 2023									
3	0151100025	Solarcraft Power India 7 Private Limited	Generator (Wind)	17-02-2023	Solapur S/s	300	01-03-2025	Solapur S/s (Existing) OR Solapur PP (Proposed)	To be deliberated
4	0131400020	Serentica Renewables India Private Limited	Generator (Solar)	23-02-2023	Solapur S/s	500	31-03-2025	Solapur S/s (Existing) OR Solapur PP (Proposed)	To be deliberated

**The start date would be aligned with the transmission system identified for Connectivity*

The relative locations of above applicants on Google Earth is given below:

In addition, the following Stage-I connectivity application of Aryan M.P. Power Generation Private Limited (AMPPGPL) was also discussed in the 16th CMETS-WR meeting on 27.02.2023 wherein M/s AMPPGPL informed that Vindhyachal STPS – Satna 400kV 2x D/c line passing over their project site and requested to provide connectivity to its Solar Power Project through the LILO of one circuit of Vindhyachal STPS – Satna 400kV 2x D/c line. It was decided that the application would be deliberated again in the next meeting after carrying out studies in this respect. The proposal was studied and power flows were observed to be in order. Accordingly, the proposal for grant of St-I connectivity is given below:

Sl.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Connectivity location (requested)	Quantum (MW)	Connectivity sought from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
1.	0131300004	Aryan M.P. Power Generation Private Limited (AMPPGPL)	Generator (Solar)	19.01.2023	REWA PS	300	30.06.2024	**Vindhyachal-I,II,III / Satna (PG) S/s (existing)**	LILO of one circuit of Vindhyachal STPS – Satna 400kV 2x D/c line at AMPPGPL

Note:

1.M/s AMPPGPL is requested to keep adequate space in their 400kV switchyard so as to cater to any future expansion of their own project or to facilitate interconnection of other RE applicants in future in the same area, considering constraints being observed for interconnection at Rewa PS (as discussed in the last meeting) and non-availability of any other ISTS points in close vicinity of the project.

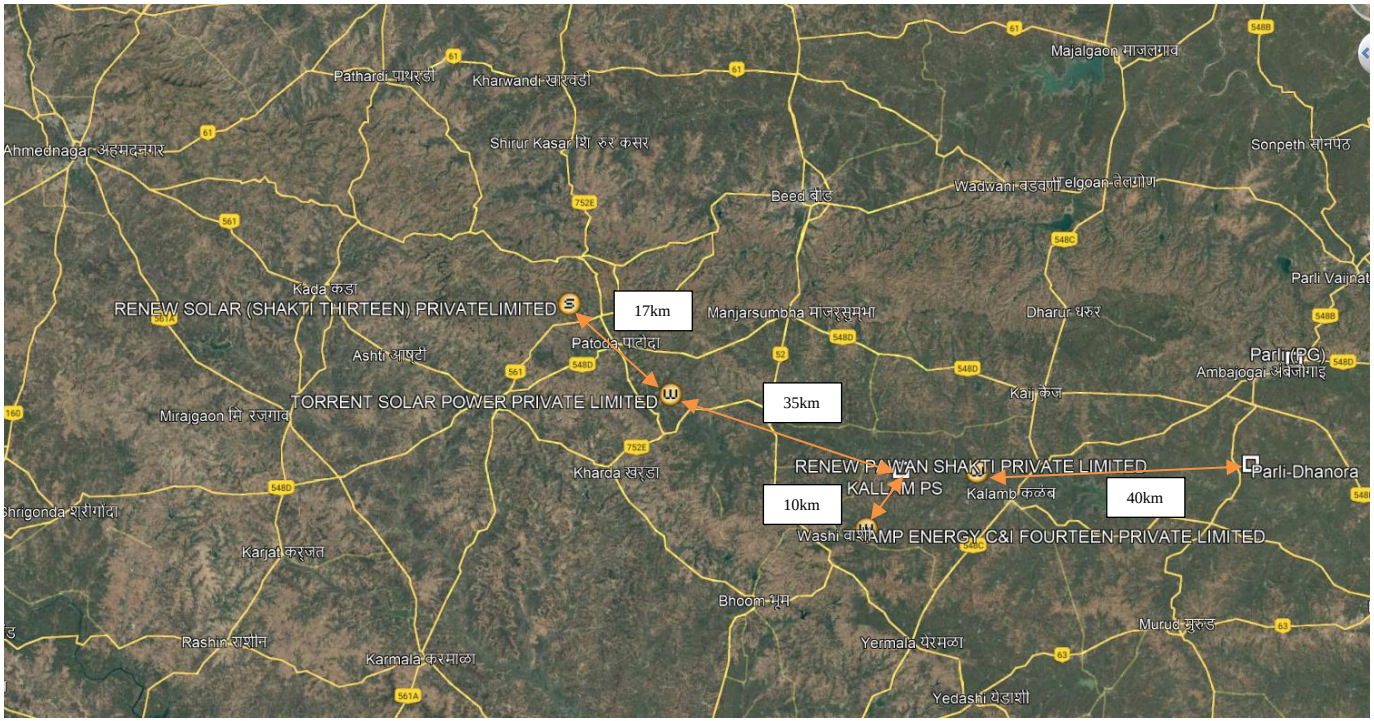
2. Considering the fault level at Vindhyachal-I,II,III is already near design limit (40kA), the connectivity is being granted considering that the solar project shall not contribute to fault level for subject project and M/s AMPPGPL shall ensure the same even for any further expansion.

The details of other Stage-I Connectivity applications received in month of Feb, 2023 are tabulated below.

Sl.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Connectivity location (requested)	Quantum (MW)	Connectivity sought from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
2.	0130700017	NHPC Ltd	Generator (Solar)	03-02-2023	Khavda-I PS	600	31.10.2025 (Revised) 11-11-2023 (Original)	**KPS3 (Bus section-1 Under Implementation & Bus section-2 under approval) – Bus section-1 expected by Dec'24 & Bus section-2 expected by Oct'25** • Establishment of Khavda-III 765/400kV PS (GIS) (Bus section-2) along with 1x1500 MVA, 765/400kV ICT • KPS3-KPS2 765kV D/c line	NHPC – KPS3 (Bus section 2) 400kV S/c line
3.	0131400019	Renew Solar (Shakti Thirteen) Private Limited	Generator (Wind)	14-02-2023	Kallam PS	150	01-06-2025	**Kallam PS (Under Implementation: SCOD Jun'23)** • Establishment of 1x500MVA, 400/220kV Kallam PS • LILO of both circuits of Parli(PG) – Pune(GIS) 400kV D/c line at Kallam PS	**To be deliberated.** The applicant may utilise the dedicated transmission infrastructure of M/s TORRENT, (~17km from ReNew) viz. • TSPPL – Kallam PS 400kV S/c line along with associated bay at generator end (Under the scope of applicant) • Bay at ISTS substation end shall be under the scope of ISTS.

Sl.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Connectivity location (requested)	Quantum (MW)	Connectivity sought from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-I connectivity (under scope of applicant)
4.	0131300006	RESCO Global Wind Services Private Limited (RESCO GWSPL)	Generator (Wind)	14-02-2023	Pachora PS	500	01-02-2025	**400/220kV Pachora SEZ PP (Under Implementation with SCOD of Nov'23)** • Establishment of Pachora SEZ PP with 1x500 MVA, 400/220kV ICT • Pachora SEZ PP - Bhopal (Sterlite) 400 kV D/c line (Quad/HTLS) (160km.) (with minimum capacity of 2100 MVA/ckt at nominal voltage)	• RESCO GWSPL – Pachora SEZ PP 220kV D/c line
5.	0130700024	Powerica Limited	Generator (Wind)	27-02-2023	Jam Khambhaliya PS	250	15-03-2025	**Jam Khambhaliya 400/220kV PS (existing)**	The applicant shall utilize the dedicated transmission infrastructure of 50.6MW Connectivity already granted to POWERICA at Jam Khambhaliya PS viz. POWERICA Ltd. – Jam Khabhaliya PS 220kV S/c line
6.	0131400021	Renew Pawan Shakti Private Limited (RPSPL)	Generator (Wind)	28-02-2023	Parli (New) S/s	300	30-06-2025	**Parli(New) 765/400kV S/s (existing)**	RPSPL – Parli(New) 400kV S/c line

Location of Generation Developers in near Parli / Kallam area



B: Stage-II Connectivity Applications:

The details of Stage-II Connectivity applications in vicinity of Solapur received in months of Dec, 2022 & Jan, 2023 are tabulated below.

Sl.	Stage-II Application No	Name of Applicant (Organization)	Stage-I Application No	Applicant Type	Stage-II Conn Quantum (MW)	Connectivity required from*	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-II connectivity (under scope of applicant)
December, 2022								

Sl.	Stage-II Application No	Name of Applicant (Organization)	Stage-I Application No	Applicant Type	Stage-II Conn Quantum (MW)	Connectivity required from*	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-II connectivity (under scope of applicant)
1.	SW9997791183-M029_D001_A002-1670426083743	Juniper Green Ray Two Private Limited (JGR2PL)	SW9997791183-M029_D001_A006-1670331295795	Generator (Solar)	80 (L&FC)	31.08.2025 (Revised)	Solapur S/s (Existing) OR Solapur PP (Proposed)	To be deliberated
2.	SW9997791183-M029_D001_A003-1671202687184 (Enhancement Application)	Juniper Green Ray Two Private Limited (JGR2PL)	SW9997791183-M029_D001_A006-1670331295795	Generator (Solar)	100 (L&FC)	31.12.2025		To be deliberated
January, 2023								
3.	0331400008 (Original Enhancement Application)	Juniper Green Ray Two Private Limited	SW9997791183-M029_D001_A006-1670331295795	Generator (Solar)	80 (L&FC)	30.06.2025	Solapur S/s (Existing) OR Solapur PP (Proposed)	To be deliberated

Sl.	Stage-II Application No	Name of Applicant (Organization)	Stage-I Application No	Applicant Type	Stage-II Conn Quantum (MW)	Connectivity required from*	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-II connectivity (under scope of applicant)
4.	0231400013	Hopper Energy Private Limited	0131400017	Renewable Power Park Developer (Wind)	255 (L&A)	30.06.2026		To be deliberated

**The start date would be aligned with the transmission system identified for Connectivity*

The above applications of Juniper Green Ray Two Private Limited (JGR2PL) & Hopper Energy Private Limited (HEPL) were discussed in the 16th CMETS-WR meeting on 27.02.2023 and M/s JGR2PL and M/s M/s HEPL were requested to explore the possibility of establishing a 220/400kV PS in between their project locations and connect its pooling station to RGESL's 33/400kV Generation PS through 400kV S/c line. Alternatively, the connectivity was proposed to be granted at the proposed Solapur PP S/s which has already been planned (under 66.5GW REZ schemes). After deliberations, the applications were decided to be deliberated again in next meeting.

Matter may be deliberated.

The details of Stage-II Connectivity applications received in month of February, 2023 along with proposal for grant of Connectivity are tabulated below.

Sl.	Stage-II Application No	Name of Applicant (Organization)	Stage-I Application No	Applicant Type	Stage-II Conn Quantum (MW)	Connectivity required from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-II connectivity (under scope of applicant)
1.	0230700015	NHPC Ltd	0130700017	Generator (Solar)	600 (IREDA LOA Tr-III under CPSU Scheme Ph-II)	31.10.2025 (Revised) 11-11-2023 (Original)	**KPS3 (Bus section-1 Under Implementation & Bus section-2 under approval) – Bus section-1 expected by Dec'24 & Bus**	NHPC – KPS3 (Bus section 2) 400kV S/c line along with 400kV line bay at generation end. **Implementation of 1 no 400kV line bay at KPS3 may be deliberated.**

Sl.	Stage-II Application No	Name of Applicant (Organization)	Stage-I Application No	Applicant Type	Stage-II Conn Quantum (MW)	Connectivity required from	ISTS Substation at which connectivity is proposed	Proposed Dedicated Transmission System for Stage-II connectivity (under scope of applicant)
							section-2 expected by Oct'25 • Establishment of Khavda-III 765/400kV PS (GIS) (Bus section-2) along with 1x1500 MVA, 765/400kV ICT • KPS3-KPS2 765kV D/c line	
2.	0231400018	Renew Pawan Shakti Private Limited	0131400021	Generator (Wind)	277 (L&A)	30-06-2025	**Parli(New) 765/400kV S/s (existing)**	RPSPL – Parli(New) 400kV S/c line along with 400kV line bay at generation end. **Implementation of 1 no 400kV line bay at Parli(New) may be deliberated.**

Matter may be deliberated.

2.0 Connectivity Applications from Conventional Energy Sources/Bulk Consumer in Western Region

<u>Jun'22 Applications</u>

The details of conventional connectivity applications received from M/s Reliance Industries Ltd. (RIL) in the month of Jun'22 are as given below:

Sl.	Application No	Name of Applicant (Organization)	Conn Quantum (MW)	Applicant Type	Project Location	Date from which connectivity required
1.	1200003954	Reliance Industries Limited (RIL)	450	Bulk Consumer	Surat, Gujarat **(Hazira Manufacturing Division)**	01.06.2024
2.	1200003955	Reliance Industries Limited (RIL)	410	Bulk Consumer	Bharuch, Gujarat **(Dahej Manufacturing Division)**	01.06.2024

The applications were deliberated in the 9th, 10th, 11th & 12th CMETS-WR meetings held on 28.07.2022, 30.08.2022, 30.09.2022 & 19.10.2022 respectively.

In the course of above meetings, the following scheme for providing connectivity to RIL [Hazira(450MW) & Dahej(410MW) Manufacturing divisions] and for general network expansion in Hazira / Surat / Dahej area was in-principally agreed:

Western Region Expansion Scheme XXXII (WRES-XXXII) (Under ISTS)

- Establishment of 2x1500MVA, 765/400kV GIS S/s at a suitable location South of Olpad (between Olpad and Ichhapore) with 2x330MVAr, 765kV & 2x125MVAr, 420kV bus reactors (with associated ICT & reactor bays)
- LILO of one ckt of 765 kV Ahmedabad – Navsari (New) D/c line at South Olpad along with associated line bays at South Olpad

Note:

a. Scheme to be awarded & taken up for implementation after receipt of LTA application from RIL.

In the 12th meeting held on 19.10.2022, GETCO stated that if connectivity is granted to RIL at 220kV level, this would reduce drawal margins for STU from proposed South Olpad S/s. RIL stated that they shall explore implementation of the interconnecting lines from

Hazira & Dahej facilities up to South Olpad S/s through 400kV ckts initially charged at 220kV level, in order to save on capex w.r.t. 400/220kV ICTs at their switchyards. GETCO had agreed with the proposal of RIL as given below:

Transmission System for connectivity (Under RIL Scope#)

- RIL(Dahej Manufacturing Division) – South Olpad(GIS) 400kV (initially charged at 220kV) D/c line along with associated line bays at South Olpad(GIS) end*
- RIL (Hazira Manufacturing Division) – South Olpad(GIS) 400kV (initially charged at 220kV) D/c line along with associated line bays at South Olpad(GIS) end ^

  **2 Nos. 220kV Line bays at RIL(Dahej) end shall be implemented by RIL. Space to be kept for 2 nos. 400kV bays as and when need arises for charging the 220kV line to 400kV level*

  ^2 Nos. 220kV Line bays at RIL(Hazira) end shall be implemented by RIL. Space to be kept for 2 nos. 400kV bays as and when need arises for charging the 220kV line to 400kV level

RIL (Dahej) and RIL (Hazira) plants being “Bulk Consumers” in nature, the Modalities of implementation of above lines may need to be taken up with CERC.

However, subsequently, RIL vide e-mail dated 07.11.2022 requested for connectivity at 220kV level only in view of high capex requirement for implementation of 400kV line (charged at 220kV). It was informed that they are also exploring possibility of interconnection with Navsari (New) & Vadodara S/s at 220kV level for their Hazira & Dahej plants respectively and requested for some more time before finalizing connectivity.

The matter was deliberated again in another meeting amongst CEA, CTU, GRID-INDIA, WR STUs and RIL on 20.03.2023 wherein following was deliberated:

- M/s RIL re-iterated that connectivity may be granted at 220kV level only in view of high capex requirement for implementation of 400kV line (charged at 220kV). For Hazira plant, connectivity may be granted at Navsari(New) S/s at 220kV level (~40km.) and for Dahej plant, it may be granted at Vadodara S/s at 220kV level (~120km.). Alternatively, connectivity may also be granted at 220kV level of proposed South Olpad S/s.

- GETCO stated that the grant of connectivity at Vadodara S/s should not limit the ATC/TTC of Gujarat from the ISTS. Moreover, M/s RIL may also consider implementing 220kV D/c lines upto South Olpad S/s from Hazira and Dahej plants on Multi circuit towers considering severe RoW issues in the area.

- RIL stated that they do not envisage any future expansion of their projects and hence the implementation of 220kV D/c lines on M/c towers would increase their CAPEX without any benefits to RIL.

- CTU stated that 3rd 400/220kV ICT at Vadodara S/s is being planned in coordination with GETCO and after considering the proposed 410MW load at Vadodara S/s, the margins on the 3rd ICT would exhaust quickly considering increasing load in the area. Hence, possibility of impact on Gujarat TTC/ATC cannot be ruled out. Moreover, as informed by RIL, their Dahej facility has thermal generating units connected at 220kV level, which would lead to further increase in short circuit level at 220kV level of Vadodara (considering that fault level is already exceeding 40kA at the 220kV bus). In view of the above, it was suggested that both Hazira and Dahej facilities may be interconnected at 220kV level and RIL may plan a 220kV high capacity D/c interconnection to Navsari(New) S/s.

- RIL stated that the proposed interconnection between Hazira and Dahej facilities would involve a lot of RoW issues.

- After deliberations, CTU suggested that considering various issues discussed above, connectivity for both the above projects at South Olpad S/s seems to be the most optimal solution. The South Olpad S/s would be established such that there are 3x500MVA ICTs on one section to cater to drawl requirement of M/s RIL for which the sharing of transmission charges would be as per extant CERC Sharing Regulations. M/s RIL may work out the configuration of their dedicated lines upto South Olpad S/s considering apprehensions raised by GETCO.

After further deliberations, it was decided that the matter shall be deliberated and finalized in the next CMETS-WR meeting.

Matter may be deliberated.

Aug'22 Application

Connectivity was agreed to be granted to M/s Hindalco Industries Limited (HIL) for 150MW bulk consumer load as per deliberations in the 13th CMETS-WR meeting held on 08.12.2022, details of which are given below:

Sl.	Application No	Name of Applicant (Organization)	Conn Quantum (MW)	Applicant Type	Project Location	Date from which connectivity required	Proposed Transmission System for connectivity (under scope of applicant)
1.	0031300010	Hindalco Industries Limited (HIL)	150	Bulk Consumer	Bargawan, Singrauli, MP **(Hindalco Mahan Aluminum Project)**	01.07.2025	1. Upgradation of 220kV switchyard of M/s Hindalco to 400kV level along with 2 nos. 400kV line bays for scope at Sl. 2 2. HIL – Mahan Energen switchyard 400kV D/c line (utilising LILO of existing 400 kV S/c Vindhyachal-Korba transmission line along with associated 400kV bays of EPTCL at Mahan, which is presently disconnected/bypassed at Mahan end) **Note:** i. HIL, being "Bulk Consumer" in nature, the Modalities of implementation of scope at Sl. 2 need to be taken up with CERC. Further, it may also be mentioned before the Hon'ble Commission that the connectivity is proposed to be granted at switchyard of Mahan Energen TPS which is already connected with the ISTS. However, under GNA regulations, the modalities as per GNA regulations shall be applicable. ii. EPTCL confirmed that LILO of existing 400 kV S/c Vindhyachal-Korba transmission line does not have OPGW and after deliberations, it was decided that HIL through the transmission

Sl.	Application No	Name of Applicant (Organization)	Conn Quantum (MW)	Applicant Type	Project Location	Date from which connectivity required	Proposed Transmission System for connectivity (under scope of applicant)
							licensee shall ensure OPGW on entire portion of HIL – Essar Mahan switchyard 400kV D/c line.

However, M/s HIL vide e-mail dated 12.01.2023 informed that can get connected directly through LILO Bays (of EPTCL) at Mahan Energen Switchyard which is shorter route as well. Mahan Energen vide e-mail dated 28.01.2023 stated that they are in process of studying the feasibility of the proposal considering Load flow study / fault level for sustainability of system and the detailed reports are awaited. Hence, the matter shall be discussed by them after detailed technical reports.

Considering above facts, it was decided in the 15th CMETS-WR meeting on 30.01.2023 that the matter shall be deliberated again after feedback from M/s HIL (regarding line routing) and M/s Mahan Energen (regarding feasibility of interconnection).

Subsequently, M/s HIL vide e-mail dated 09.03.2023 informed that they have conducted the preliminary route survey of proposed direct connectivity from Mahan Energen 400KV Switchyard to their Hindalco-Mahan Aluminium plant and found the construction feasible through 03 different routes. However, M/s Mahan Energen vide e-mail dated 15.03.2023 have informed the following:

- Hindalco connectivity gives anchoring to Mahan plant, but as far as transient stability is concern, it is not benefiting Mahan plant. Hence, this connectivity will not be fruitful.

- Mahan plant has plans for expansion 2x800 MW machines and the spare bays will be required for future connectivity.

In view of the above, revised studies were carried out and the following is proposed for grant of connectivity to M/s Hindalco:

1. Upgradation of 220kV switchyard of M/s Hindalco to 400kV level through installation of 2x315 or 2x500MVA 400/220kV ICTs at Hindalco end along with 4 nos. 400kV bays at Hindalco switchyard for scope at Sl. 2
2. LILO of both circuits of Vindhyachal PS – Sasan 400kV D/c line at Hindalco switchyard (LILO length ~ 35km.)

Note:

- HIL, being "Bulk Consumer" in nature, the Modalities of implementation of scope at Sl. 2 need to be taken up with CERC.

With the above proposed connectivity, the fault level issue at Vindhyachal PS is resolved as there is no increase in fault level due to increase in line length of Sasan – Vindhyachal 400kV D/c line (6 & 8 km.) after the proposed LILO.

Matter may be deliberated.

Jan'23 Application

Sl. No.	Application ID	Name of the Applicant	Application Type	Submission Date	Project Location	Connectivity location (requested)	Start Date of Connectivity (requested)	Quantum (MW)
1.	0030700009	Reliance New Solar Energy Limited	Bulk Consumer	24-01-2023	Jamnagar, Gujarat	Jam Khambhaliya PS	01-06-2026	600

The above application was discussed in the 16th CMETS-WR meeting in which following was deliberated:

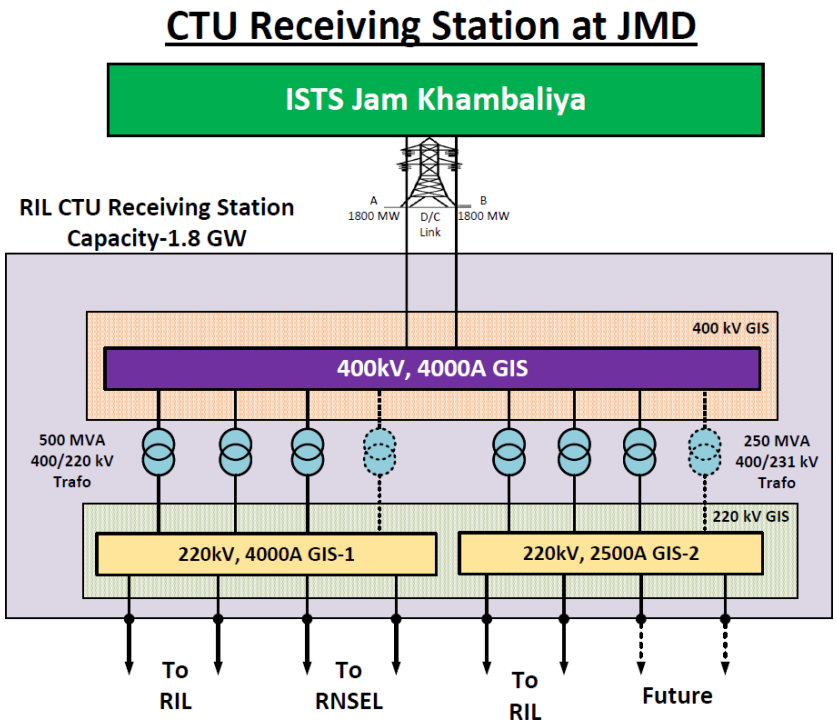
- M/s RIL has already been granted 1200MW connectivity and LTA for its bulk consumer facility at Jamnagar through following transmission system.
  - RIL (Oil Refinery) (GIS) – Jam Khambhaliya (GIS) 400kV D/c (Twin HTLS conductor with a minimum capacity of 1800MW) line along with associated line bays at ISTS Jam Khambhaliya (GIS) PS end.
  - Line bays at the Bulk Consumer end shall be under the scope of M/s RIL
- M/s RNSEL informed that Reliance New Solar Energy Ltd. (RNSEL) and Reliance Industries Ltd. (RIL) are two separate entities and M/s RNSEL shall be connected through 220kV line from 400/220kV GIS S/s of RIL's Oil Refinery
- M/s RNSEL was requested to share schematic drawing indicating the details of proposed interconnection of M/s RNSEL with M/s RIL. M/s RNSEL agreed for sharing the details of proposed interconnection of M/s RNSEL with M/s RIL.

- In regard to the proposed connectivity by M/s RNSEL it was informed that the provision of sharing of transmission system for Connectivity for bulk consumer has now been included in the GNA Regulation, however, sharing through electrical system of a separate bulk consumer entity is not specifically mentioned in the regulation. Further, it was informed that the proposed connectivity would involve construction of 220kV line from RNSEL s/s to RIL s/s. As bulk consumer entity does not have license for construction of transmission line, the above 220kV line needs to be constructed under ISTS, for which M/s RNSEL may approach CERC.

- Upon deliberation, it was decided that the above matters would further be deliberated in a separate meeting.

The matter was deliberated again in another meeting amongst CEA, CTU, GRID-INDIA, WR STUs and RIL on 20.03.2023 wherein following was deliberated:

- M/s RNSEL presented the schematic drawing as given below:



- M/s RNSEL stated that the interconnecting line between M/s RNSEL with M/s RIL is about 3-4km. long vide 220kV cable and shall be constructed within the premises of M/s RIL. M/s RNSEL would be an embedded entity in RIL complex and would directly interconnect with RIL's 400/220kV switchyard through the 220kV interconnection line of RIL. M/s RNSEL stated that subsequent to the meeting, they shall share the detailed layout of facilities of M/s RIL & M/s RNSEL towards confirmation of the layout of the complex as stated above and to enable ease of understanding.

- GRID-INDIA (WRLDC) stated that WRLDC will consider 400 KV Jam Khambhaliya PS as the ISTS interface points for RIL & RNSEL. Scheduling & metering will be done at 400kV Jam Khambhaliya PS with separate identification/tagging of schedule to both RIL & RNSEL. Single DSM will be prepared by WRLDC. M/s RIL shall perform all commercial responsibilities (incl. metering & accounting) as per the extant CERC Regulations, for which M/s RIL needs to enter into an agreement with RNSEL for bifurcation of the metering data/ DSM calculations and all other responsibilities as may be required including loss apportionment w.r.t electrical system/400kV lines and transformers.

- On query, M/s RNSEL stated that the responsibility of payment of transmission charges for RIL (Oil Refinery) (GIS) – Jam Khambhaliya (GIS) 400kV D/c line presently remains with RIL for which an agreement has also been signed by RIL with POWERGRID in line with CERC vide order dated 05.01.2022 in Petition No. 124/MP/2021. Requirement of another agreement between RNSEL and RIL for payment of transmission charges to POWERGRID (after above connectivity is granted to M/s RNSEL on sharing basis) shall be deliberated internally and finalized.

Matter may be deliberated.

Feb'23 Applications

Sl. No.	Application ID	Name of the Applicant	Application Type	Submission Date	Project Location	Connectivity location (requested)	Start Date of Connectivity* (requested)	Quantum (MW)
1.	0031400003	Dhariwal Infrastructure Limited ***(Refer Note 1 below)***	Generator (Other than Captive)	15-02-2023	Chandrapur, Maharashtra	Bhadravati SS	01-03-2023	30
2.	0030700010	Welspun Corp Limited	Bulk Consumer	22-02-2023	Kutch, Gujarat	Bhachau S/s	03-04-2023	100

3.	0030700011	Welspun India Limited	Bulk Consumer	27-02-2023	Kutch, Gujarat	Bhachau S/s	03-04-2023	100

**Revised start dates to be deliberated.*

Note 1: Applicant vide letter dated 01.02.2023 has informed that they want to enhance their already granted connectivity quantum for DIL Unit-2 from 270 MW to 300 MW. However, as NSWS portal is not allowing to apply for 30 MW connectivity, they have submitted application for 50 MW connectivity and requested to consider the application for additional 30 MW only.

Application at Sl. 1:

The thermal power plant (TPP) of M/s DIL at Tadali, Chandrapur, Maharashtra consists of two units of 300 MW each. Unit-1 of TPP is connected to Chandrapur-II S/s of MSETCL through a dedicated 400 kV D/c twin moose line (approx. length 8 km) which is owned, operated and maintained by M/s DIL. Unit-2 is connected to ISTS network through LILO of one circuit of Bhadrawati- Parli 400 kV D/c line. The LILO section of about 19 km upto the point of connection has also been implemented by M/s DIL as dedicated line. ISTS Connectivity of 270MW from Unit-2(300MW) has been granted to M/s DIL. Now, M/s DIL vide above application has sought to enhance the connectivity quantum from 270MW to 300MW (i.e. by 30MW). Accordingly, it is proposed to enhance the connectivity quantum by 30MW (to 300MW) with following transmission system for connectivity (existing):

- LILO of one circuit of Bhadrawati- Parli 400 kV D/c line at Dhariwal 400kV switchyard

Applications at Sl. 2 & 3:

Welspun Corp limited(100MW) and Welspun India limited(100MW) have requested for connectivity at Bhachau S/s of POWERGRID for cumulative capacity of 200MW. As per last communication from POWERGRID, there is no space available at Bhachau S/s for 220kV line bay. However, space for 400kV bays is available at the substation. Hence, connectivity is proposed to be granted at 400kV level of Bhachau S/s through 1 no. 400kV bay.

Further, the dedicated line may be implemented by one applicant and shall be shared with the other applicant. It may be noted that as bulk consumer entity does not have license for construction of transmission line, the above 400kV line (along with associated line bay at Bhachau end) needs to be constructed under ISTS, for which the applicant implementing the line may approach CERC.

Matter may be deliberated.

3.0 LTA Applications from generation developers/distribution licensee situated in Western Region

Dec'22 Applications

The following LTA applications were received in the month of Dec'22 in WR and were also discussed in the last meeting.

Sl. No.	Application ID	Name of the Applicant	Injection Region	Quantum of LTA	Start Date of LTA	End Date of LTA	Injection Point	Drawl Point*
i)	SW6949744157-M029_D001_A007-1670928947992	Adani Green Energy Limited	WR	1050	30/04/2025	29/04/2050	KPS1, Gujarat (WR)	SR (Target)
ii)	SW6456710532-M029_D001_A007-1671183877521	Adani Renewable Energy Holding Four Limited	WR	1000	30/04/2025	29/04/2050	KPS1, Gujarat (WR)	SR (Target)
iii)	SW6456710532-M029_D001_A007-1671183474239	Adani Renewable Energy Holding Four Limited	WR	1083	30/04/2025	29/04/2050	KPS1, Gujarat (WR)	SR (Target)

After deliberations, it was agreed to grant LTA to above applicants with Transmission System (Expected progressively from Jan'24 to Sep'25) given below, for enabling immediate evacuation of power:

- Establishment of 765/400 kV, 3x1500MVA, KPS1 (GIS)
- KPS1 – Bhuj 765kV D/c line
- KPS1 – KPS2 765kV D/c line
- Augmentation of transformation capacity at KPS1(GIS) by 765/400kV, 1x1500MVA ICT (4th ICT on bus section-I)

Khavda Phase-II:

- KPS2 – Lakadia 765kV D/c line
- Establishment of 3x1500 MVA, 765/400 kV Ahmedabad S/s
- Lakadia – Ahmedabad 765kV D/c line
- Ahmedabad – Navsari(New) 765kV D/c line

- LILO of Pirana (PG) – Pirana (T) 400kV D/c line at Ahmedabad S/s with twin HTLS along with reconductoring of Pirana (PG) – Pirana(T) line with twin HTLS conductor and Bay upgradation work at Pirana (PG) & Pirana (T)

Khavda Phase-III:

- Establishment of 765 kV Halvad switching station
- KPS2- Halvad 765 kV D/c line
- LILO of Lakadia – Ahmedabad 765 kV D/c line at Halvad
- Halvad – Vataman 765 kV D/c line
- Establishment of 765 kV switching station near Vataman
- LILO of Lakadia – Vadodara 765 kV D/c line at Vataman 765 kV switching station
- Vataman switching station – Navsari(New) 765 kV D/c line

Due to constraints in power supply to Southern region, it was decided in the last meeting that the applications shall be discussed again in the next meeting. In the 16th CMETS-SR meeting on 28.02.2023, it was informed that present ATC for export of power from NEW grid to SR is 18900 MW. The ATC is expected to be enhanced to about 23000 MW with the commissioning of transmission scheme viz. additional inter-Regional AC link for import into Southern Region i.e. Warora-Warangal and Chilakaluripeta - Hyderabad - Kurnool 765 kV link. Margin of 20460 MW in ISTS for import of power to SR grid from NEW Grid has already been allocated under different LTA / MTOA granted / agreed for grant with existing / under implementation transmission system / inter-regional links. As the total power transfer requirements (from applications in WR, ER & NR to SR in Dec'22: 3450MW) are exceeding the expected enhancement in ATC with the additional under implementation inter-regional links, new inter – Regional links shall be required for import of power from NEW Grid to SR and detailed transmission system studies are being carried along with the Western/Southern Region stake-holders for identification same.

Subsequently, LTA granted for 763 MW to M/s Karnataka Power Corporation Ltd. for import of power from NEW Grid (2x800 MW, Godhna TPS in Chhatigarh) to SR (Target) has been cancelled / revoked vide letter dated 28.02.2023. With consideration of this additional margin (763 MW), study analysis has been carried out and it is observed that all LTA applications received in month of Dec.'2022, having injections in other regions and drawl in SR, for total drawl of 3450 MW may be granted LTA with existing / under implementation transmission system / inter-regional links.

In view, of above it is proposed to reserve the margins in ISTS for import of power from NEW Grid to SR for total quantum of 3450 MW (as per applications received in Dec.'2022, which include 3133MW applications in WR) with the commissioning of transmission scheme viz. additional inter-Regional AC link for import into Southern Region i.e. Warora-Warangal and Chilakaluripeta - Hyderabad - Kurnool 765 kV link.

Matter may be deliberated.

Jan'23 Applications

The following LTA applications had been received in the month of Jan'23 in WR with drawal in SR and were deliberated in the 16th CMETS-WR meeting last month.

Sl. No.	Application ID	Name of the Applicant	Submission Date	Quantum of LTA	Start Date of LTA	End Date of LTA	Injection Point	Drawl Point
1.	0430700014 (Revised Application)	Sarjan Realities Private Limited	12.01.2023	1100 (Target)	30/04/2025	29/04/2050	SRPL, Khavda, Kutch, Gujarat	NR: 400 MW SR: 700 MW
2.	0430700013 (Revised Application)	Sarjan Realities Private Limited	12.01.2023	1250 (Target)	30/04/2025	29/04/2050	SRPL, Khavda, Kutch, Gujarat	NR: 500 MW WR: 500 MW SR: 250 MW
3.	0430700012 (Revised Application)	Sarjan Realities Private Limited	12.01.2023	1250 (Target)	30/04/2025	29/04/2050	SRPL, Khavda, Kutch, Gujarat	SR: 1000 MW WR: 250 MW

Till date, Stage-II connectivity for 19.205GW & LTA applications for 16.715GW have been received in Khavda area as elaborated in following table:

Pooling Station	S/s Capacity (GW)	Stage-II Connectivity (GW)	LTA (GW)
KPS1	**9**	**9** • Adani Renewable Energy Holding Four Limited (3.5GW) • Adani Green Energy Ltd. (4.35GW) • Sarjan Realties Pvt Ltd. (1.15GW)	**9** • Adani Renewable Energy Holding Four Limited (3.5GW) • Adani Green Energy Ltd. (4.35GW) • Sarjan Realties Pvt Ltd. (1.15GW)

Pooling Station	S/s Capacity (GW)	Stage-II Connectivity (GW)	LTA (GW)
KPS2	**10.5**	**3.755** • Gujarat State Electricity Corporation Limited (1.6GW) • Gujarat Industries Power Company Limited (0.6GW) • NTPC Renewable Energy Ltd (1.555GW)	**3.065** • Gujarat State Electricity Corporation Limited (1.6GW) • Gujarat Industries Power Company Limited (0.6GW) • NTPC Renewable Energy Ltd (0.865GW)
KPS3	**9**	**6.45** • Adani Green Energy Ltd. (1.05GW) • Sarjan Realties Pvt Ltd. (3.6GW) • NTPC Renewable Energy Ltd (1.2GW) • **NHPC (0.6GW) – received in Feb'23**	**4.65** • Adani Green Energy Ltd. (1.05GW) • Sarjan Realties Pvt Ltd. (3.6GW)
		19.205	**16.715**

The transmission system for evacuation of total 30GW power from Khavda RE Park has been evolved in 5 phases as per details below:

Phase	RE Capacity (GW)	Status of Transmission System
I	3	Under Implementation – • KPS1 S/s and KPS1 – Bhuj 765kV D/c line: Awarded to Adani with SCOD of Jan'24 • KPS2 S/s: Awarded to POWERGRID with SCOD of Dec'24 Under Bidding (Bid submitted & SPV transfer expected shortly) – • KPS1 – KPS2 765kV D/c line: SCOD of Dec'24
II	5	Under Implementation • KPS3 S/s & KPS3 – KPS2 765kV D/c line: Awarded to POWERGRID with SCOD of Dec'24 • Khavda Ph-II Parts B & C – Awarded to POWERGRID with Expected SCOD of March'25 Under Bidding (LoI issued to Adani & SPV transfer expected shortly) – • Khavda Ph-II Part A - Expected SCOD of March'25
III	7	Agreed in 11th NCT – Expected SCOD of Jul'25
IV	7	Deliberated in 12th NCT meeting and being reviewed – Expected commissioning by Oct'25
V	8 (HVDC)	Deliberated in 12th NCT meeting and agreed – Expected commissioning by Mar'27

In view of the above, it was deliberated in the last meeting that for enabling immediate evacuation of power, following system shall be required:

For applications at Sl. (1) & (2) at Section-I of KPS3:

- Establishment of 765/400 kV, 3x1500MVA, KPS3 (GIS)
- Augmentation of 765/400kV ICT at KPS3(GIS) by 6th 1500MVA ICT (on bus section-I)

For application at Sl. (3) at Section-II of KPS3:

- Installation of 2x1500MVA 765/400kV ICTs (on bus section-II) (4th & 5th) of KPS3

For all applications from Sl. (i) to (iii):

Khavda Phase-I & KPS2 - KPS3 Interconnection

- KPS3 – KPS2 765kV D/c line
- KPS1 – Bhuj 765kV D/c line

Khavda Phase-II:

- KPS2 – Lakadia 765kV D/c line
- Establishment of 3x1500 MVA, 765/400 kV Ahmedabad S/s
- Lakadia – Ahmedabad 765kV D/c line
- Ahmedabad – Navsari(New) 765kV D/c line
- LILO of Pirana (PG) – Pirana (T) 400kV D/c line at Ahmedabad S/s with twin HTLS along with reconductoring of Pirana (PG) – Pirana(T) line with twin HTLS conductor and Bay upgradation work at Pirana (PG) & Pirana (T)

Khavda Phase-III:

- Establishment of 765 kV Halvad switching station
- KPS2- Halvad 765 kV D/c line
- LILO of Lakadia – Ahmedabad 765 kV D/c line at Halvad
- Halvad – Vataman 765 kV D/c line

- Establishment of 765 kV switching station near Vataman
- LILO of Lakadia – Vadodara 765 kV D/c line at Vataman 765 kV switching station
- Vataman switching station – Navsari(New) 765 kV D/c line

Khavda Phase-IV (Scheme under review as decided in 12th NCT meeting and is subject to change)

- KPS3 – KPS2 765kV 2nd D/c line along with creation of 765kV & 400kV bus section-2 at KPS3
- KPS1 – Bhuj 765kV 2nd D/c line
- KPS2 – Lakadia 765kV 2nd D/c line
- Vadodara – Navsari(New) 765kV D/c line
- Establishment of 765/400/220kV Boisar-II (GIS) S/s (3x1500, 765/400kV & 2x500MVA, 400/220kV)
- Navsari(New) – Boisar-II 765kV D/c line
- LILO of Navsari(New) – Padghe(PG) 765kV D/c line at Boisar-II
- Boisar-II – Velgaon(MH) 400kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line
- LILO of Babhaleswar – Padghe(M) 400kV D/c line at Bosar-II using twin HTLS conductor with minimum capacity of 1700MVA per ckt at nominal voltage (LILO route length 65km.)
- Establishment of 765/400/220kV Pune-III (GIS) S/s (2x1500, 765/400kV & 3x500MVA, 400/220kV)
- 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 400kV line at Pune-III(GIS) S/s

Due to constraints in power supply to Southern region, it was decided in the last meeting that the applications shall be discussed again in the next meeting. In this respect, it may be noted that for import of additional 2250 MW from NEW Grid to SR (300MW from NR to SR & 1950MW from WR to SR) from LTA applications received in month of Jan.'2023, additional inter-regional link shall be required. The studies for evolution of additional inter-regional link between NEW grid & SR grid were carried out with SR take holders in SRPC meeting held on 21-22 Feb, 2023 and further detailed studies are being carried out along with Western/Southern Region stake-holders through joint meeting for finalization of the same. In view of the above, the subject LTAs are proposed to be granted after finalization of additional inter-regional link between NEW grid & SR grid in joint studies.

Further, application no. 0430700011 from Sarjan Realties Pvt Ltd. was also agreed to be granted in the last meeting. However, the system included Khavda Phase-IV system, which is under review by NCT and the intimation shall be issued upon finalization of the same.

Members may please note.

Feb'23 Application

The following LTA application has been received in the month of Feb'23 in WR:

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Quantum of LTA	Start Date of LTA	End Date of LTA	Injection Point	Drawl Point
1.	0431400006 (Revised Application)	Renew Solar Power Private Limited	13-02-2023	WR	75 (PPA/PSA without NoC)	28-06-2023	27-06-2048	RSPPL, Kallam PS, Maharashtra/WR	WBSEDCL, West Bengal/ER

M/s RSPPL was granted 300MW Stage-II connectivity at Kallam PS based on SECI LOAs dated 04.06.2020 for supply of Round the Clock (RTC) power from 400MW RE Power Projects to various beneficiaries. The project configuration was informed as under:

Contract Capacity	Project-components	Technology	Individual Capacity at each location (MW)	Location of connectivity
400MW	Sub-Component 1	Solar (400MW) + Battery Energy Storage System (8MWh)	400	ISTS 400/220 kV Fatehgarh III Sub-station, Rajasthan
	Sub-Component 2	Wind	300	ISTS 400/220 kV Kallam (Osmanabad) substation, Maharashtra
	Sub-Component 3	Wind	300	ISTS 400/220 kV Koppal substation, Karnataka
	Sub-Component 4	Wind	300	ISTS 400/220 kV Gadag substation, Karnataka

M/s RSPPL has already been granted LTA for 300MW to Target beneficiaries in ER: 75MW, NR: 150MW & WR: 75MW with following transmission system:

- Establishment of 400/220 kV, 2X500 MVA Kallam PS
- LILO of both circuits of Parli (PG) – Pune(GIS) 400kV D/c line at Kallam PS

The above application is for the change in region for 75MW (45MW-NR 30MW-WR to 75MW-WBSEDCL, ER) (out of 300MW) LTA already granted to RSPPL against app. no. 1200003270. Applicant has submitted request for relinquishment of earlier granted 75MW LTA w.e.f 28.06.2023 (i.e. from expected start date of LTA). It is understood that the date of effectiveness of change of region (& relinquishment in original target regions) would be same as the date of effectiveness of LTA. **Applicant may confirm.**

Further, applicant has also requested to firm-up its balance LTA granted earlier on target region basis as follows:

Sl. No.	Region	Target quantum as per previous grant	Quantum after change in region	Firmed-up beneficiary	Firmed-up Quantum requested
1	Northern Region	150 MW	105MW	Uttarakhand Power Corporation Ltd – 75MW Northern Railway (Uttar Pradesh) – 30MW	105 MW
2	Eastern Region	75 MW	150MW	West Bengal State Electricity Distribution Company Ltd – 75MW India Power Corporation Ltd – 75MW	150 MW
3	Western Region	75 MW	45MW	Northern Railway (Madhya Pradesh) – 45MW (PPA signed by Northern Railway for Western Central Railway)	45 MW

PPA for 400MW between SECI "Renew Surya Roshni Pvt. Ltd." which is the 100% subsidiary of "RENEW SOLAR POWER PRIVATE LIMITED" has been submitted whereas PSA between SECI and following drawee entities with quantum has been submitted:

- 100MW with INDIAN RAILWAY
- 100MW with India Power Corporation Ltd
- 100MW with Uttarakhand Power Corporation Ltd
- 100MW with West Bengal State Electricity Distribution Company Ltd

NoC has been submitted from MPPTCL (60MW drawl) and UP STU (40MW drawl) against Indian Railway quantum. However, other NoCs have not been submitted.

From the above, it may be noted that the quantum mentioned in PSA is not matching with quantum mentioned in request for firming up of beneficiaries. Similarly, quantum of NoC is not matching with quantum mentioned in request for firming up of beneficiaries. **Applicant may clarify.**

It may further be noted that if NOCs of the concerned STUs are not available or the NoC is not effective as on Start Date of LTA, the billing for payment of transmission charges shall be undertaken on the LTA grantee as per CERC Regulations, till such time NOC is made available and becomes effective. The NoC with conditions would be considered effective only upon fulfillment of such conditions.

Matter may be deliberated.

4.0 LTA Applications from generation developers/distribution licensee situated in other regions with drawal in Western Region

Sl. No.	Application ID	Name of the Applicant	Submission Date	Region	Quantum of LTA	Start Date of LTA	End Date of LTA	Injection Point	Drawl Point
1.	0451100016	Renew Surya Ojas Private Limited	13-02-2023	SR	100 (PPA/PSA without NoC)	31-03-2023	30-03-2048	Koppal PS, Karnataka (SR)	50 MW- Haryana Power Purchase Centre/NR; 50 MW-Goa/WR

The applicant was granted 300MW LTA with Target (NR): 100MW, Target (ER): 100MW and Target (WR): 100 MW vide application no. 1200002993 with start dated of LTA as 31.12.2022 or commissioning of system whichever is later. Through the present application, the applicant wants to firm up LTA granted. Applicant has relinquished 100MW LTA (ER) and has applied for 50 MW LTA each with Haryana and Goa as drawee entities. Further, the effective date of relinquishment in original region is same as start date of LTA in the changed region i.e. 31.03.2023. The final distribution of 300MW LTA on firm up basis is as follows:

Sl. No.	Region	Target quantum as per previous grant	Firmed up beneficiary	Total Quantum
1	Northern Region	100 MW	Haryana Power Purchase Centre– 150MW	150 MW
2	Eastern Region	100 MW	Relinquished	-
3	Western Region	100 MW	Goa	150 MW

The grant would be subject to deliberations in the CMETS-SR meeting.

Matter may be deliberated.

B. ISTS Network Expansion schemes in Western Region

5.0 Status of downstream 220kV network by STUs from the various commissioned and under-construction ISTS substations in Western Region

The various STUs/POWERGRID may update the status of the 220 kV line bays from various 400/220 kV ISTS substations (which was last updated during the 16th CMETS-WR meeting).

Sl. No.	ISTS S/s	Voltage ratio, Trans. Cap	Unutilised bays	Status of ISTS bay	Lines for unutilised bays	Status of Lines (as updated during 15th CMETS-WR meeting)
WR (400/220kV ICTs Existing)						
	Mapusa (PG)	400/220kV (3x315 MVA)	2	Existing bay	Mapusa – Cuncolin 220 kV D/c line	GED **did not attend** the meeting *Mapusa–Saligao(Cuncolin) 220 kV D/c line expected in 2024-25 Time-frame as per GED Business Plan for control period 2022-23 to 2024-25*
			2		Mapusa–Tuem 220 kV D/c line	GED **did not attend** the meeting *Mapusa–Tuem 220 kV D/c line expected in 2023-24 Time-frame as per GED Business Plan for control period 2022-23 to 2024-25*
a)	Wardha	400/220 kV (2x315 MVA)	2	Existing bay	Wardha – Yavatmal 220 kV D/c line	MSETCL: **Mar'23**
	Solapur	400/220 kV (2x315 +1x500 MVA)	2	Existing bay	Solapur – Bale (M) 220kV D/c line	MSETCL: **1st circuit has been commissioned & 2nd circuit is expected by Dec'23**
			2		Solapur – Narangwadi 220 kV D/c line	MSETCL: **Commissioned**
	Navi Mumbai	400/220 kV (2 x 315 MVA)	4	Existing bay	LILO of Apta – Taloja and Apta - Kalwa section of the Apta-Taloja/Kalwa 220 kV D/c line at Navi Mumbai (PG)	CEA Project Monitoring report (Sep-22): **22.06.2024**
WR (400/220kV ICTs Under Construction)						

b)	Navsari (New)	765/400kV (3x1500MVA) & 400/220kV (3x500MVA)	8	Under Construction by POWERGRID – **Jun'23**	LILO of both circuits of 220 KV D/C Navsari - Sachin line at Navsari(New) (South Gujarat) (GIS) substation	GETCO: Under Tendering process – **Mar'24**
					Navsari(New) (South Gujarat) (GIS) substation – Sachin 220kV D/c line	GETCO: **May'24**
					Navsari(New) (South Gujarat) (GIS) substation – Khajod 220kV D/c line	GETCO: **May'24**
c)	Pune (GIS) (Shikrapur)	400/220 kV (2 x 500 MVA)	4	Under Construction by POWERGRID – **Jun'24**	LILO of both ckts of 220kV Khed City – Ranjangaon D/c line with high capacity conductor (of minimum capacity of 400MVA at nominal voltage) at 765/400/220kV Pune GIS (Shikrapur) S/s	MSETCL: **Jun'24;** MSETCL informed that they have carried out certain changes in 220kV network configuration to be LILOed at 765/400/220kV Pune GIS (Shikrapur) S/s. MSETCL was requested to update the same in the next meeting.

As per the Minutes of Meeting chaired by Secretary (Power) on 24.07.2015, all lines of voltage level 132kV and above, must have OPGW in place of one of the earth wire(s) in view of the importance of reliable communication in Power System. All the STUs may note the same.

Further, MSETCL may also update on status of restoration of 400 kV Solapur – Karad line to its original configuration as enquired by WRLDC in the last meeting.

Matter may be deliberated.

6.0 Operational issues faced by JP Bina due to NHPTL testing

A meeting was held on 24.11.2022 (vide video-conferencing) amongst CEA, CTUIL, JP Bina, GRID-India (erstwhile POSOCO), MPPTCL/MPSLDC & POWERGRID to discuss the operational issues faced by JP Bina due to NHPTL testing. Following were decided w.r.t. permanent arrangement in the meeting:

i) As a permanent arrangement, in order to mitigate the oscillations, scheme comprising of formation of JP Bina – Bhopal 400 kV two nos. lines [2nd line formed by bypassing at 2 substations i.e.: JP Bina to Bina (MP) line by bypassing at Bina (PG) and then JP Bina to Bhopal (MP) line by bypassing at Bina (MP)] was agreed. (refer diagram)

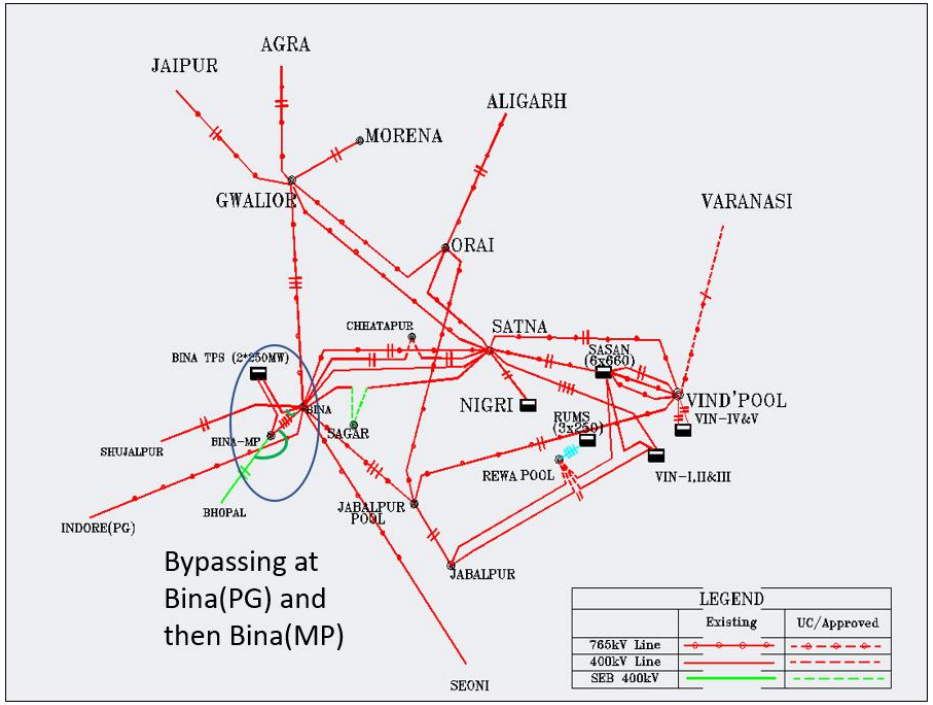
ii) CTUIL would take the feedback from POWERGRID and MPPTCL for the above bypassing at Bina (PG) and Bina (MP) respectively to ascertain if the bypassing can be done by opening the main breakers of the same diameter (after shifting of the lines to the corresponding diameter). Based on the feedback, the suitable arrangement would be evolved and implemented.

iii) Further, as an alternative, formation of JP Bina – Sagar (MP) 400 kV direct line by bypassing at Bina (PG) was also deliberated. Accordingly, feedback from POWERGRID is required that whether the bypassing at Bina (PG) end can be done by opening the main breakers of the same diameter after swapping of Satna-2 line with Satna-3 (LILOed at SAGAR) so that JP Bina line & Sagar line are in the same diameter or the same is required to be carried out by bypassing at the outskirts of Bina (PG) S/s.

iv) In this respect, it may be noted that CTUIL vide email dated 07.12.2022 & 01.02.2023 has requested MPPTCL & POWERGRID to confirm whether the above bypassing can be done at Bina (PG) and Bina (MP) respectively w.r.t. arrangement at Sl. (i). However, the response is still awaited.

In the 15th Consultation Meeting for Evolving Transmission Schemes in Western Region (CMETS-WR) held on 30.01.2023, MPPTCL suggested that the arrangement at Sl. (i) may be kept on temporary basis prior to each testing. However, they shall explore feasibility of implementation of the above arrangement and intimate separately.

CTU requested MPPTCL to expedite the same so that a feasible solution may be worked out to resolve the operational issues faced by JP Bina due to NHPTL testing.



MPPTCL & POWERGRID are requested to intimate w.r.t. the arrangement at Sl. (i).

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