Agenda for 33rd Consultation Meeting for Evolving Transmission Schemes in Northern Region to be held on 02.08.2024

Minutes of the 30th CMETS-NR meeting held on 18/06/2024 were issued vide letter dated 24/06/2024. No comments were received on the minutes, accordingly, minutes may be confirmed as circulated.

Minutes of 31st CMETS NR meeting held on 27.06.2024 were issued vide letter dated 16/07/2024. With respect to the minutes of meeting, the following corrections may be noted:

(i). Connectivity quantum of Gamma Renewable One Pvt. Ltd.(App. No. 220000355) was inadvertently mentioned as 390 MW at Page No. 33. The same may be considered as 300 MW.

(ii). Under the Connectivity of M/s Avaada Energy Pvt. Ltd(2200000407), Transmission System for Connectivity under GNA is mentioned as "As per **Annexure-V**". The same may be corrected as "As per **Annexure-IV".**

(iii). In reference to Application No. 2200000407 (Page no 57 Para No. 3 last line), M/s Avaada vide mail dated 20.07.24 informed that they are ready to downsize their application for grant of connectivity at Bhadla-III PS under protest in view of pendency of Writ Petition filed by M/s Avaada before Hon'ble High Court of Delhi.

Other than this, no comments on deliberations held were received on the minutes, accordingly, minutes may be confirmed with above corrections.

A. Application related matters in Northern Region

A1. RE Applications for Connectivity deferred in the 31st CMETS NR meeting held on 27.06.2024

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
1.	2200000516	Renew Solar Power Private Limited	Jodhpur distt., Rajasthan	25.01.2024	Generator (Solar)	SECI LOA	300	30.09.2026	Bhadla-III PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: Rs. 6 Cr. • Conn BG3: Rs. 2 lakh/MW
2.	2200000521	Renew Solar Power Private Limited	Jodhpur distt., Rajasthan	25.01.2024	Generator (Solar) with ESS	SJVN LOA	Connectivity:200 (Solar:200 ESS: 46)	31.05.2026	Bhadla-III PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: Nil(Bay in sharing) • Conn BG3: Rs. 2 lakh/MW
3.	2200000521	Renew Solar Power Private Limited	Jodhpur distt., Rajasthan	25.01.2024	Generator (Solar)	SJVN LOA	300	31.05.2026	Bhadla-III PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: Nil(Bay in sharing) • Conn BG3: Rs. 2 lakh/MW

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

The above applications for connectivity by M/s Renew Solar Power Private Limited for 800 MW (300+200+300) were discussed in the 31st CMETS NR held on 27.06.2024 wherein M/s Renew informed that they are withdrawing two no. of applications at S. no. 2 & 3(2200000521(200 MW) & 2200000522(300 MW)). In view of the withdrawal of two applications, for the application of 300 MW at S. No. 1, it was proposed to grant connectivity at 220 kV through S/c line. M/s Renew agreed for the same.

Subsequent to mail dated 28.06.2024 confirming withdrawal by M/s Renew, M/s Renew vide mail dated 30.06.2024 again informed that they are not withdrawing the applications (2200000521(200 MW) & 2200000522(300 MW)) as informed in the meeting and they agree for the grant of connectivity as originally proposed by CTUIL at 400 kV Bhadla-IV PS.

M/s Renew may note that such frequent change in decisions will not be entertained in future and authorized representative should bring their management firm decision before any communication in the meeting/mail. . M/s Renew vide mail dated 12.07.2024 assured that this would not be repeated in future. Accordingly, it was decided that the above applications shall be again taken up for stakeholders discussion in the subsequent CMETS NR meeting for grant

Considering the request by M/s Renew to process the above 3 no. of applications, it is proposed to grant connectivity to M/s Renew at 400 kV Bhadla-IV PS through 1 no. of bay for the combined connectivity of 800 MW (300+200+300). M/s Renew vide letter dated 30.06.2024 has confirmed the tower configuration as S/c on D/c & 400 kV bay shall be under ISTS. The same is noted.

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from 30.09.2026. However, considering the same and expected date of commissioning of transmission system (i.e 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029(interim).

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for Renew Solar Power Private Limited Solar Power Projects (App. No. 2200000516(300 MW), 2200000521(200MW) & 2200000522(300MW) – Bhadla-IV PS 400 kV S/c line on D/c tower (suitable to carry minimum 900 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure II**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
4.	2200000564 (Enhancement)	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	15.02.2024	Generator (Solar)	SECI LOA	200	16.04.2026	Fatehgarh-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: Rs. 6 Cr. • Conn BG3: Rs. 2 lakh/MW

In the 31st CMETS NR meeting held on 27.06.2024, it was proposed to grant connectivity to NTPC Renewable at Barmer-II PS at 220 kV level through S/c line. M/s NTPC informed that they have filed additional applications for about 900 MW in last two months at Fatehgarh-IV PS & requested CTUIL to grant connectivity at 400 kV combinedly for all applications. Regarding this, CTUIL clarified that, as the present application is for 200 MW, connectivity cannot be granted at 400 kV at this stage. However, when the future applications come up for discussion in the subsequent CMETS meetings for grant & if those applications can be accommodated to Barmer-II PS as per application priority, then the connectivity can be granted at 400 kV based on total connectivity quantum at Barmer-II PS. Therefore, at this stage connectivity shall be considered for grant at 220 kV. NTPC requested to take up all applications together in next CMETS meeting for optimization of DTL.

After deliberations, it was decided that the present application shall be again taken up for discussion in the subsequent CMETS NR meeting along with the other applications of NTPC in Fatehgarh-Barmer complex.

As per the priority of applications received by CTUIL in Fatehgarh-Barmer complex, it is observed that only the present application of 200 MW & another application of 300 MW by NTPC (App. No. 2200000567) is qualifying for connectivity at Barmer-II. The remaining applications received in the month of Jun'24 shall be considered for grant at Barmer-III PS (except for enhancement margins if available at Barmer-II PS). In view of the above, considering total quantum of 500 MW (200+300), it is proposed to grant connectivity at 220 kV level of Barmer-II PS through 220 kV D/c line.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s NTPC Renewable Energy Limited has requested Start Date of Connectivity under GNA from 16.04.2026. However, considering the same and expected date of commissioning of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029(interim).

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for NTPC Renewable Energy Limited Solar Power Projects (App. No. 2200000564(200 MW) & 2200000567(300MW)) – Barmer-II PS 220 kV D/c line (suitable to carry minimum 300 MW per circuit at nominal voltage)

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
C. <u>Transmission system for Connectivity under GNA:</u> As per **Annexure I** **Start Date of Connectivity under GNA: 31.12.2029(Interim).** Final date shall be confirmed upon award of the system										

A2. GNA$_{RE}$ Applications deferred in the 32nd CMETS NR held on 10.07.2024

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA$_{RE}$ within Region (MW)	GNA$_{RE}$ outside Region (MW)	Total GNA$_{RE}$ Required (MW)	Start date of GNA$_{RE}$	End date of GNA$_{RE}$
1.	2200000740	Ambuja Cements Limited	03.05.2024	Drawee entity connected to Intra State Transmission System	0	25	25	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
2.	2200000739	Ambuja Cements Limited	03.05.2024	Drawee entity connected to Intra State Transmission System	0	7	7	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
3.	2200000770	Ambuja Cements Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	15	15	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
4.	2200000768	Ambuja Cements Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	8.5	8.5	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
5.	2200000772	ACC Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	27	27	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)

The above applications for GNA$_{RE}$ by M/s Ambuja Cement & M/s ACC Limited were discussed in the 32nd CMETS NR meeting held on 10.07.2024 wherein M/s Ambuja Cement & M/s ACC Limited had informed that they have realigned their project for the GNA$_{RE}$ with revised start date from 01.09.2024 & end date to 31.03.2026. Regarding this, CTUIL informed that the validity of NoC submitted by the M/s ACC & M/s Ambuja are only till 30.06.2025. Therefore, in case they need to change their end date to 31.03.2026, the revised NoC upto 31.03.2026 from STU need to be submitted. M/s Ambuja & M/s ACC informed that they are in the process of obtaining revised NoC from STU. Accordingly, it was decided that the above applications shall be again taken up for discussion in the next CMETS NR meeting. M/s Ambuja Cement & M/s ACC need to submit revised NoC before 33rd CMETS NR meeting.

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
1.	2200000740	Ambuja Cements Limited	03.05.2024	Drawee entity connected to Intra State Transmission System	0	25	25	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
M/s Ambuja Cements Limited has applied for GNA_{RE} of 25 MW (Outside the region) as a drawee entity connected to Intra State Transmission System of RVPNL at 132kV GSS Mundawa. As agreed in the 32nd CMETS NR meeting, M/s Ambuja Cement vide mail dated 15.07.2024 submitted the revised NoC from RVPN with validity from 01.09.2024 upto 31.03.2026. Rajasthan has been granted GNA of 5755 MW as per 18.1 of GNA regulation. There is sufficient margin available in the existing ISTS system for drawl of additional 25 MW from ISTS periphery of Rajasthan (RVPN) network. In view of the above, it is proposed to grant 25 MW of GNA_{RE} (outside the region) to Ambuja Cements with Start date from 01.09.2024.								

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
2.	2200000739	Ambuja Cements Limited	03.05.2024	Drawee entity connected to Intra State Transmission System	0	7	7	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
M/s Ambuja Cements Limited has applied for GNA_{RE} of 7 MW (Outside the region) as a drawee entity connected to Intra State Transmission System of RVPNL at 132kV GSS Jaitaran. As agreed in the 32nd CMETS NR meeting, M/s Ambuja Cement vide mail dated 15.07.2024 submitted the revised NoC from RVPN with validity from 01.09.2024 upto 31.03.2026. Rajasthan has been granted GNA of 5755 MW as per 18.1 of GNA regulation. There is sufficient margin available in the existing ISTS system for drawl of additional 7 MW from ISTS periphery of Rajasthan (RVPN) network. In view of the above, it is proposed to grant 7 MW of GNA_{RE} (outside the region) to M/s Ambuja Cements with Start date from 01.09.2024.								

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
3.	2200000770	Ambuja Cements Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	15	15	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
M/s Ambuja Cements Limited has applied for GNA_{RE} of 15 MW (Outside the region) as a drawee entity connected to Intra State Transmission System of HPPTCL at 132 kV Chamakri Substation(HPSEBL). As agreed in the 32nd CMETS NR meeting, M/s Ambuja Cement vide mail dated 22.07.2024 submitted the revised NoC from HPPTCL with validity from 01.09.2024 upto 31.03.2026.									

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
Himachal Pradesh has been granted GNA of 1130 MW as per 18.1 of GNA regulation. There is sufficient margin available in the existing ISTS system for drawl of additional 15 MW from ISTS periphery of Himachal Pradesh (HPPTCL) network. In view of the above, it is proposed to grant 15 MW of GNA_{RE} (outside the region) to M/s Ambuja Cements with Start date from 01.09.2024 upto 31.03.2026 as requested.									

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
4.	2200000768	Ambuja Cements Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	8.5	8.5	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
M/s Ambuja Cements Limited has applied for GNA_{RE} of 8.5 MW (Outside the region) as a drawee entity connected to Intra State Transmission System of HPPTCL at 220 kV Kangoo Substation (HPSEBL). As agreed in the 32nd CMETS NR meeting, M/s Ambuja Cement vide mail dated 22.07.2024 submitted the revised NoC from HPPTCL with validity from 01.09.2024 upto 31.03.2026. Himachal Pradesh has been granted GNA of 1130 MW as per 18.1 of GNA regulation. There is sufficient margin available in the existing ISTS system for drawl of additional 8.5 MW from ISTS periphery of Himachal Pradesh (HPPTCL) network. In view of the above, it is proposed to grant 8.5 MW of GNA_{RE} (outside the region) to M/s Ambuja Cements with Start date from 01.09.2024 upto 31.03.2026 as requested.								

Sl No.	Application ID	Name of the Applicant	Submission Date	Nature of applicant	GNA_{RE} within Region (MW)	GNA_{RE} outside Region (MW)	Total GNA_{RE} Required (MW)	Start date of GNA_{RE}	End date of GNA_{RE}
5.	2200000772	ACC Limited	07.05.2024	Drawee entity connected to Intra State Transmission System	0	27	27	01.06.2024 (revised to 01.09.2024)	30.06.2025 (revised to 31.03.2026)
M/s ACC Limited has applied for GNA_{RE} of 27 MW (Outside the region) as a drawee entity connected to Intra State Transmission System of HPPTCL at 220/132 kV Kangoo Substation (HPSEBL). As agreed in the 32nd CMETS NR meeting, M/s ACC Limited Cement vide mail dated 22.07.2024 submitted the revised NoC from HPPTCL with validity from 01.09.2024 upto 31.03.2026. Himachal Pradesh has been granted GNA of 1130 MW as per 18.1 of GNA regulation. There is sufficient margin available in the existing ISTS system for drawl of additional 27 MW from ISTS periphery of Himachal Pradesh (HPPTCL) network. In view of the above, it is proposed to grant 27 MW of GNA_{RE} (outside the region) to M/s ACC Limited with Start date from 01.09.2024 upto 31.03.2026 as requested.								

A3. Applications for Connectivity to ISTS under CERC (Connectivity & General Network Access to the inter-State Transmission System) Regulations, 2022 (Conventional)

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Conn BG Requirement
1	2200000685	Greenko RJ01 IREP Private Limited	Baran, Rajasthan	04.04.2024	Standalone ESS (Pumped Storage)	Connectivity:880 Max Injection: 800 Max Drawl:880	15.10.2026	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Greenko RJ01 IREP Private Limited has applied for connectivity for 880 MW (Max. Drawl: 880 MW, Max. Injection: 800 MW) for the proposed pumped Storage project near Shahapur in Baran district, Rajasthan.

M/s Greenko vide letter dated 21.05.2024 has mentioned that typically during Peak Solar hours, the Pump Storage Projects shall be drawing power & during non solar hours Pump Storage Projects shall be generating.

Further, in order to deliberate on planning of transmission System for evacuation of Power from Pumped Storage Plants, a meeting under Chairmanship of Chairperson, CEA was held on 28.05.2024. In the above meeting, it was decided that CTUIL while granting Connectivity to PSPs shall mention that PSPs shall not operate in generating mode during high RE generation period and if required, PSPs may inject power during high RE generation period based on margin available in the system.

Further, no other application is received by CTUIL in this area. Therefore, confirmation from CEA is required regarding whether the project location (Near Shahapur, Baran district) is to be considered as a PSP potential zone and any future projects are envisaged in this area.

CEA has also provided status (as on 30.05.24) regarding the project stating the project is under S&I stage. M/s Greenko & CEA may update, if required.

For the connectivity of this project, various options were explored to grant connectivity to Greenko Pumped Storage Project. Considering the location of the project, it was observed that there is no nearby 400 kV ISTS substation in Rajasthan to grant connectivity. The nearest substation is Kota(PG) (~150km), whereas another ISTS substation is under construction Dausa S/s(~250 km).

From the studies, it was observed that there are power flow constraints beyond 400 kV Kota S/s. Further with PSP interconnection, the short circuit level of Kota S/s will also increase beyond design short circuit of Kota(40 kA). Therefore, connectivity can be granted only at Dausa S/s through 400 kV D/c line in NR.

Considering the length of dedicated line(~250 km) towards Dausa in NR and the project being located near Madhya Pradesh border area in Rajasthan, the matter is already referred to CTU-Western Region planning to explore any other suitable alternative. Based on the outcome of alternative, if feasible in WR, agenda will be taken up in next CMETS meeting.

A4. Applications for Connectivity to ISTS under CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 received in Mar'24:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)
1.	2200000567	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	01.03.2024	Generator (Solar)	Land Route	300	31.03.2026	Fatehgarh-IV PS
2.	2200000580 (Enhancement)	Avaada Energy Private Limited	Barmer distt., Rajasthan	02.03.2024	Generator (Solar)	NTPC LOA	200	26.03.2026	Barmer-I PS
3.	2200000616	Jade Hybren Private Limited	Bikaner distt., Rajasthan	06.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Bikaner-IV PS
4.	2200000618	Migos Hybren Private Limited	Jaisalmer distt., Rajasthan	06.03.2024	Generator (Solar)	Land BG Route	600	31.12.2026	Ramgarh PS
5.	2200000624	Kyros Hybren Private Limited	Bikaner distt., Rajasthan	07.03.2024	Generator (Solar)	Land BG Route	100	30.06.2025	Bhadla-II PS
6.	2200000605	Aravalli Surya (Project 1) Private Limited	Jodhpur distt., Rajasthan	07.03.2024	Generator (Solar)	Land Route	335	31.12.2027	Bhadla-II PS
7.	2200000598	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	13.03.2024	Generator (Solar)	Land Route	500	15.06.2025	Ramgarh PS
8.	2200000599	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	13.03.2024	Generator (Solar)	Land Route	500	15.06.2025	Ramgarh PS
9.	2200000644	Serentica Renewables India Private Limited	Jalor distt., Rajasthan	14.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sirohi PS
10.	2200000600	Adani Renewable Energy Park Rajasthan Limited	Jaisalmer distt., Rajasthan	14.03.2024	Renewable Power Park developer (Solar)	Land Route	1000	15.06.2025	Ramgarh PS
11.	2200000601	Adani Renewable Energy Park Rajasthan Limited	Jaisalmer distt., Rajasthan	14.03.2024	Renewable Power Park developer (Solar)	Land Route	1000	15.06.2025	Ramgarh PS
12.	2200000646	Illuminate Hybren Private Limited	Sirohi distt., Rajasthan	15.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sirohi PS
13.	2200000636	Avaada Energy Private Limited	Barmer distt., Rajasthan	19.03.2024	Generator (Solar)	SJVN LOA	450	30.09.2026	Barmer-I PS
14.	2200000654	Green Infra Wind Energy Limited	Barmer distt., Rajasthan	27.03.2024	Generator (Solar)	SJVN LOA	300	30.06.2027	Barmer-I PS
15.	2200000661 (Enhancement)	Adani Renewable Energy Holding Four Limited	Ramgarh, Jaisalmer distt. Rajasthan	28.03.2024	Generator (Solar)	SECI LOA	250	01.10.2025	Ramgarh PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)
16.	2200000662 (Enhancement)	Adani Renewable Energy Holding Four Limited	Ramgarh, Jaisalmer distt., Rajasthan	28.03.2024	Generator (Solar)	SECI LOA	284	01.10.2026	Ramgarh PS
17.	2200000668	Juniper Green Energy Private Limited	Barmer distt., Rajasthan	28.03.2024	Generator (Hybrid)	SJVN LOA	180 (Solar-130 Wind-50)	30.06.2026	Barmer-I PS
18.	2200000672	Tata Power Renewable Energy Limited	Ramgarh, Jaisalmer distt., Rajasthan	29.03.2024	Generator (Solar)	Land BG Route	600	30.06.2028	Ramgarh PS
19.	2200000681	Sprng Urja Private Limited	Barmer distt., Rajasthan	30.03.2024	Renewable Power Park developer (Solar)	Land BG Route	1000	30.06.2029	Barmer-I PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
1.	2200000567	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	01.03.2024	Generator (Solar)	Land Route	300	31.03.2026	Fatehgarh-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s NTPC Renewable Energy Limited has applied for connectivity for 300 MW at Fatehgarh-IV PS. As discussed with the previous application of M/s NTPC (220000564), it is proposed to grant connectivity at Barmer-II PS through 220 kV D/c line for the combined capacity of 500 MW(200+300). Applicant may confirm the 220kV bay scope(2nd) at Barmer-II PS end.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s NTPC Renewable Energy Limited has requested Start Date of Connectivity under GNA from 31/03/2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s NTPC Renewable Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement

B. <u>Transmission System under applicant scope</u>

(i). Common Pooling station for NTPC Renewable Energy Limited Solar Power Projects (App. No. 2200000564(200 MW) & 2200000567(300MW) – Barmer-II PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per **Annexure I**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
2.	2200000580 (Enh)	Avaada Energy Private Limited	Barmer distt., Rajasthan	02.03.2024	Generator (Solar)	NTPC LOA	200	26.03.2026	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Avaada Energy Private Limited has applied for connectivity for 200 MW at Barmer-I PS. However, in view of no further margins for connectivity at Barmer-I PS (except 50 MW enhancement/sharing), connectivity can be granted at Barmer-II PS. Further, another application by Avaada Energy Private Limited (App. No. 2200000636-450 MW) at Barmer-I PS is also being taken up for discussion in the same meeting as per application priority. Accordingly, it is proposed to grant connectivity at Barmer-II PS at 220 kV level through 220 kV D/c line for the combined capacity of 650 MW. Applicant may confirm the 220kV bay scope at Barmer-II PS. Applicant may confirm the 220kV bay scope(1st) at Barmer-II PS end.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Avaada Energy Private Limited has requested Start Date of Connectivity under GNA from 26/03/2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Avaada Energy Private Limited under GNA is as below:

<u>Details of Transmission system for Connectivity under GNA:</u>

A. <u>Associated Transmission System (ATS):</u> NIL

B. <u>Transmission System under applicant scope</u>

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

(i). Common Pooling station for Avaada Energy Private Limited Solar Power Projects (App. No. 2200000580(200 MW) & 2200000636(450MW) – Barmer-II PS 220 kV D/c line (Suitable to carry minimum 325 MW per circuit at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per **Annexure I**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
3.	2200000616	Jade Hybren Private Limited	Bikaner distt., Rajasthan	06.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Bikaner-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Jade Hybren Private Limited has applied for connectivity for 300 MW at Bikaner-IV PS. However, in view of no further margins for connectivity at Bikaner-IV PS, connectivity can be granted at Bikaner-V PS. Accordingly, it is proposed to grant connectivity at Bikaner-V PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Bikaner-V PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bikaner-V PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Jade Hybren Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Jade Hybren Private Limited under GNA is as below:

<u>Details of Transmission system for Connectivity under GNA:</u>

A. <u>Associated Transmission System (ATS):</u> NIL

B. <u>Transmission System under applicant scope</u>

(i). Jade Hybren Private Limited Solar Power Project – Bikaner-V PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
C. <u>Transmission system for Connectivity under GNA:</u> As per **Annexure IV** **Start Date of Connectivity under GNA: 31.12.2029(Interim).** Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
4.	2200000618	Migos Hybren Private Limited	Jaisalmer distt., Rajasthan	06.03.2024	Generator (Solar)	Land BG Route	600	31.12.2026	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Migos Hybren Private Limited has applied for connectivity for 600 MW at Ramgarh PS. Accordingly, it is proposed to grant connectivity of 600 MW at Ramgarh PS at 220 kV level through the D/c line. Applicant may confirm the 220kV bay scope at Ramgarh PS end.

M/s Migos Hybren Private Limited has requested Start Date of Connectivity under GNA from 31.12.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2028), the start date of Connectivity under GNA shall be 31.12.2028 (interim). Transmission system for connectivity of M/s Migos Hybren Private Limited under GNA is as below:

<u>Details of Transmission system for Connectivity under GNA:</u>

A. <u>Associated Transmission System (ATS):</u> NIL

B. <u>Transmission System under applicant scope</u>

(i). Migos Hybren Private Limited Solar Power Project — Ramgarh PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per **Annexure-V**

Start Date of Connectivity under GNA: 31.12.2028(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
5.	2200000624	Kyros Hybren Private Limited	Bikaner distt., Rajasthan	07.03.2024	Generator (Solar)	Land BG Route	100	30.06.2025	Bhadla-II PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Kyros Hybren Private Limited has applied for connectivity for 100 MW at Bhadla-II PS. However, there is only margin of 50 MW available in sharing at Bhadla-II PS (at 400 kV) after the earlier CMETS NR meeting. Further, there is only 50 MW margin available at Bhadla-III PS in sharing with Solarcraft bay at 220 kV. Accordingly, it is proposed to grant connectivity at Bhadla-IV PS at 220 kV. Though the application quantum is only 100 MW, this being the first application to be granted connectivity at 220 kV Bhadla-IV PS, it is proposed to grant connectivity through a separate bay. The remaining margin available in 220 kV bay may be considered for grant of connectivity to other entities in sharing.

In view of the above, it is proposed to grant connectivity to M/s Kryos Hybren at Bhadla-IV PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the scope of 220 kV bay and tower configuration of DTL..

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Kryos Hybren Private Limited has requested Start Date of Connectivity under GNA from 30.06.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029(interim). Transmission system for connectivity of M/s Kryos Hybren Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Kryos Hybren Private Limited Solar Power Project – Bhadla-IV PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage).

C. Transmission system for Connectivity under GNA: As per **Annexure-II**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
6.	2200000605	Aravalli Surya (Project 1) Private Limited	Jodhpur distt., Rajasthan	07.03.2024	Generator (Solar)	Land Route	335	31.12.2027	Bhadla-II PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Aravalli Surya (Project 1) Private Limited has applied for connectivity for 335 MW at Bhadla-II PS. However, there is no margin available at Bhadla-II PS & Bhadla-III PS for above connectivity quantum. Accordingly, it is proposed to grant connectivity at Bhadla-IV PS at 220 kV through S/c line. Applicant may confirm the 220kV bay scope at Bhadla-IV PS end and the DTL tower configuration.

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Aravalli Surya (Project 1) Private Limited has requested Start Date of Connectivity under GNA from 31.12.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Aravalli Surya (Project 1) Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Aravalli Surya (Project 1) Private Limited Solar Power Project – Bhadla-IV PS 220 kV S/c line (Suitable to carry minimum 335 MW at nominal voltage).

C. Transmission system for Connectivity under GNA: As per **Annexure-II**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
7.	2200000598	Adani Renewable Energy Holding	Jaisalmer distt., Rajasthan	13.03.2024	Generator (Solar)	Land Route	500	15.06.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
		Four Limited								• Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for connectivity for 500 MW at Ramgarh PS. It may be noted that another application for grant of connectivity of 500 MW by M/s Adani Renewable Energy Holding Four Limited at Ramgarh PS is also being taken up for discussion in this meeting (App. No. 2200000599) as per application priority. Accordingly, it is proposed to grant connectivity of 500 MW at Ramgarh PS at 400 kV level through 1 no. of 400 kV line bay. Applicant may confirm the scope of 400 kV bay at Ramgarh PS end & tower configuration.

M/s Adani Renewable Energy Holding Four has requested Start Date of Connectivity under GNA from 15.06.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2028), the start date of Connectivity under GNA shall be 31.12.2028 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for Adani Renewable Energy Holding Four (App. No. 2200000598(500 MW) & 2200000599(500 MW)) Solar Power Projects — Ramgarh PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure-V**

Start Date of Connectivity under GNA: 31.12.2028(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
8.	2200000599	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	13.03.2024	Generator (Solar)	Land Route	500	15.06.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for connectivity for 500 MW at Ramgarh PS. As discussed with the previous application of M/s Adani Renewable Energy Holding Four (App. No. 2200000598), it is proposed to grant connectivity of 500 MW at Ramgarh PS at 400 kV level through the same 400 kV line bay for the combined capacity of 1000 MW(500+500).

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

M/s Adani Renewable Energy Holding Four has requested Start Date of Connectivity under GNA from 15.06.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2028), the start date of Connectivity under GNA shall be 31.12.2028 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for Adani Renewable Energy Holding Four (App. No. 2200000598(500 MW) & 2200000599(500 MW)) Solar Power Projects — Ramgarh PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure-V**

Start Date of Connectivity under GNA: 31.12.2028(Interim). Final date shall be confirmed upon award of the system

With this grant of connectivity of 500 MW to M/s Adani, total connectivity granted at Ramgarh PS is 2850 MW. The transmission system for evacuation of power from Ramgarh PS was planned as part of Rajasthan REZ Ph-III (20GW) scheme which involved evacuation through ± 800 kV Bhadla-Fatehpur HVDC scheme (6000 MW). 5660 MW connectivity is already granted(3460 MW at Bhadla-III PS & 2200 MW at Ramgarh PS) with above HVDC system. As Bhadla-III PS is already closed for new connectivity (except 50 MW enhancement), there is additional margin of 290 MW connectivity at Ramgarh PS with Bhadla-Fatehpur HVDC system. However, next application at Ramgarh PS is for connectivity of 1000 MW. For evacuation of 1000 MW from Ramgarh PS, additional transmission system with Ramgarh-II HVDC is required (out of this 290 MW may be evacuated thourgh Bhadla HVDC). As connectivity can be granted with a single start date of entire connectivity quantum, for subsequent applications beyond 2850 MW (upto 4000 MW) at Ramgarh PS, connectivity shall be granted with additional transmission system of Ramgarh-II HVDC scheme which is being identified and yet to be taken up for approval.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
9.	2200000644	Serentica Renewables India Private Limited	Jalore distt., Rajasthan	14.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

M/s Serentica Renewables India Private Limited has applied for connectivity for 300 MW at Sirohi PS. Accordingly, it is proposed to grant connectivity at Sirohi PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Sirohi PS end and the DTL tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & NRPC meeting held on 29.06.2024. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Serentica Renewables India Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Serentica Renewables India Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Serentica Renewables India Private Limited Solar Power Project– Sirohi PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure-VIII**

Start Date of Connectivity under GNA: 31.03.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
10.	2200000600	Adani Renewable Energy Park Rajasthan Ltd.	Jaisalmer distt., Rajasthan	14.03.2024	Renewable Power Park developer (Solar)	Land Route	1000	15.06.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Park Rajasthan Limited has applied for connectivity for 1000 MW at Ramgarh PS. As informed earlier, after grant of connectivity of 2850 MW at Ramgarh PS, connectivity at Ramgarh PS shall be granted upto 4000 MW with evacuation system of Ramgarh-II HVDC system. Accordingly, it is proposed to grant connectivity at Ramgarh PS through 400 kV S/c line (1 no. of bay). Applicant may confirm the 400 kV bay scope at Ramgarh PS end and the tower configuration.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme. M/s Adani Renewable Energy Park Rajasthan Limited has requested Start Date of Connectivity under GNA from 15/06/2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be i.e. 31.03.2030(interim). Transmission system for connectivity of M/s Adani Renewable Energy Park Rajasthan Limited under GNA is as below: **Details of Transmission system for Connectivity under GNA:** **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). Adani Renewable Energy Park Rajasthan Limited RE Power Park – Ramgarh PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage) **C. Transmission system for Connectivity under GNA:** As per **Annexure VI** **Start Date of Connectivity under GNA: 31.03.2030(Interim).** Final date shall be confirmed upon award of the system With this grant, total connectivity granted at Ramgarh PS shall be 3850 MW. Further, considering the margin of 250 MW available at 400 kV bay allocated to M/s Adani (650 MW:500+150), total connectivity will be 4100 MW. However, as Ramgarh PS was planned for 4000 MW capacity & considering technical limitation at Ramgarh PS, it is proposed to close Ramgarh PS for new connectivity except enhancement of 150 MW (evacuation system is with Ramgarh-II PS) at 400 kV bay (650 MW). Subsequent applications received in Ramgarh complex will be considered for grant at Ramgarh-II PS.									

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
11.	2200000601	Adani Renewable Energy Park Rajasthan Ltd.	Jaisalmer distt., Rajasthan	14.03.2024	Renewable Power Park developer (Solar)	Land Route	1000	15.06.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Adani Renewable Energy Park Rajasthan Limited has applied for connectivity for 1000 MW at Ramgarh PS. As informed earlier, Ramgarh PS is already closed for further grant except enhancements. Further, Adani has filed additional applications of 250 MW & 284 MW which are also being discussed in the same meeting										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

for grant of connectivity at Ramgarh-II PS. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line common for all three applications of 1534 MW (1000+250+284).

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Adani Renewable Energy Park Rajasthan Limited has requested Start Date of Connectivity under GNA from 15/06/2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Park Rajasthan Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. **Associated Transmission System (ATS):** **NIL**

B. **Transmission System under applicant scope**

(i). Common Pooling station for Adani Renewable Energy Park Rajasthan Limited RE Power Park (App. No. 2200000601(1000MW)) & Adani Renewable Energy Holding Four Limited Solar Power Projects(App. No. 220000661(250 MW) & App. No. 2200000662(284 MW) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 900 MW per circuit at nominal voltage)

C. **Transmission system for Connectivity under GNA:** As per **Annexure VII**

Start Date of Connectivity under GNA: 31.03.2030 (Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
12.	2200000646	Illuminate Hybren Private Limited	Sirohi distt., Rajasthan	15.03.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Illuminate Hybren Private Limited has applied for connectivity of 300 MW at Sirohi PS. Accordingly, it is proposed to grant connectivity at Sirohi PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Sirohi PS end and the DTL tower configuration.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

It may be noted that the transmission system for evacuation of power from Sirohi was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & NRPC meeting held on 29.06.2024. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Illuminate Hybren Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Illuminate Hybren Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Illuminate Hybren Private Limited Solar Power Project– Sirohi PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure-VIII**

Start Date of Connectivity under GNA: 31.03.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
13.	2200000636	Avaada Energy Private Limited	Barmer distt., Rajasthan	19.03.2024	Generator (Solar)	SJVN LOA	450	30.09.2026	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Avaada Energy Private Limited has applied for connectivity for 450 MW at Barmer-I PS. As informed with the previous application of M/s Avaada Energy Pvt. Limited(App. No. 2200000580-200 MW), it is proposed to grant connectivity at Barmer-II PS at 220 kV level through 220 kV D/c line for the combined capacity of 650 MW(200+450).

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Avaada Energy Private Limited has requested Start Date of Connectivity under GNA from 30/09/2026. However, considering the same and expected

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Avaada Energy Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for Avaada Energy Private Limited Solar Power Projects (App. No. 2200000580(200 MW) & 2200000636(450MW) – Barmer-II PS 220 kV D/c line (Suitable to carry minimum 325 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per **Annexure I**

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
14.	2200000654	Sembcorp Green Infra Private Limited (erstwhile Green Infra Wind Energy Limited)	Barmer distt., Rajasthan	27.03.2024	Generator (Solar)	SJVN LOA	300	30.06.2027	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Sembcorp Green Infra Private Limited (erstwhile Green Infra Wind Energy Limited) has applied for connectivity for 300 MW at Barmer-I PS. However, in view of no further margins for grant of connectivity at Barmer-I PS(except enhancement of 50 MW in bay sharing), it is proposed to grant connectivity at Barmer-II PS though 220 kV S/c line. Applicant may confirm the 220kV bay scope at Barmer-II PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Sembcorp Green Infra Private Limited has requested Start Date of Connectivity under GNA from 30/06/2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

connectivity of M/s Sembcorp Green Infra Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Sembcorp Green Infra Private Limited Solar Power Project – Barmer-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
15.	2200000661 (Enh)	Adani Renewable Energy Holding Four Limited	Ramgarh, Jaisalmer distt., Rajasthan	28.03.2024	Generator (Solar)	SECI LOA	250	01.10.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for enhancement of connectivity of 250 MW at Ramgarh PS. As informed with the previous applications of M/s Adani (App. No. 2200000601), it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Adani Renewable Energy Holding Four has requested Start Date of Connectivity under GNA from 01/10/2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

B. Transmission System under applicant scope

(i). Common Pooling station for Adani Renewable Energy Park Rajasthan Limited RE Power Park(App. No. 2200000601(1000MW)) & Adani Renewable Energy Holding Four Limited Solar Power Projects(App. No. 220000661(250 MW) & App. No. 2200000662(284 MW) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 900 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
16.	2200000662 (Enh)	Adani Renewable Energy Holding Four Limited	Ramgarh, Jaisalmer distt., Rajasthan	28.03.2024	Generator (Solar)	SECI LOA	284	01.10.2026	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for enhancement of connectivity of 284 MW at Ramgarh PS. As informed with the previous applications of M/s Adani (2200000601 & 2200000661), it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Adani Renewable Energy Holding Four Limited has requested Start Date of Connectivity under GNA from 01.10.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030(interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

(i). Common Pooling station for Adani Renewable Energy Park Rajasthan Limited RE Power Park (App. No. 2200000601(1000MW)) & Adani Renewable Energy Holding Four Limited Solar Power Projects (App. No. 220000661(250 MW) & App. No. 2200000662(284 MW) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 900 MW per circuit at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per Annexure-VII

Start Date of Connectivity under GNA: 31.03.2030 (Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
17.	2200000668	Juniper Green Energy Private Limited	Barmer distt., Rajasthan	28.03.2024	Generator (Hybrid)	SJVN LOA	180 (Solar-130 Wind-50)	30.06.2026	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: Nil(Bay in sharing) • Conn BG3: Rs. 2 lakh/MW

M/s Juniper Green Energy Private Limited has applied for connectivity for 180 MW at Barmer-I PS. However, as informed earlier, there is no margin available for grant of 180 MW at Barmer-I PS. M/s Juniper Green Energy is already agreed for grant of 230 MW (App. No. 220000495) at Barmer-II PS in the 31st CMETS NR meeting. Accordingly, it is proposed to grant connectivity at Barmer-II PS at 220 kV through same 220 kV bay.

It may be noted that M/s Juniper has applied for connectivity of 180 MW which is more than the contracted capacity of LoA(150 MW). Regarding the grant of connectivity quantum higher than contracted capacity, there is an ongoing case filed by Axis Energy in Andhra Pradesh high court. Therefore, the connectivity of 180 MW shall be granted to M/s Juniper Green Energy for the present application subject to outcome of the decision of Andhra Pradesh High Court in this regard.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Juniper Green Energy Private Limited has requested Start Date of Connectivity under GNA from 30/06/2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Juniper Green Energy Private Limited under GNA is as below:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling Station for Juniper Green Energy Private Limited Hybrid Power Projects (App. No. 2200000495 (230 MW) & App. No. 2200000668(180 MW)) – Barmer-II PS 220 kV S/c line (Suitable to carry minimum 410 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
18.	2200000672	Tata Power Renewable Energy Limited	Ramgarh, Jaisalmer distt., Rajasthan	29.03.2024	Generator (Solar)	Land BG Route	600	30.06.2028	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Tata Power Renewable Energy Limited has applied for connectivity for 600 MW at Ramgarh PS. However, as informed earlier, there is no margin available at Ramgarh PS for grant of 600 MW. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS through 220 kV D/c line. Applicant may confirm the scope of 220 kV line bays (2 No.) at Ramgarh-II end & tower configuration.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Tata Power Renewable Energy Limited has requested Start Date of Connectivity under GNA from 30/06/2028. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030(interim). Transmission system for connectivity of M/s Tata Power Renewable Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Tata Power Renewable Energy Limited Solar Power Project – Ramgarh-II PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
19.	2200000681	Sprng Urja Private Limited	Barmer distt., Rajasthan	30.03.2024	Renewable Power Park developer (Solar)	Land BG Route	1000	30.06.2029	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Sprng Urja Private Limited has applied for connectivity for 1000 MW at Barmer-I PS. However, in view of no margin available at Barmer-I PS, it is proposed to grant connectivity at Barmer-II PS through 400 kV S/c line. Applicant may confirm the scope of 400 kV bay at Barmer-II end & tower configuration.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Sprng Urja Private Limited has requested Start Date of Connectivity under GNA from 30/06/2029. Considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Sprng Urja Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)	Conn BGs requirement
(i). Sprng Urja Private Limited Renewable Power Park – Barmer-II PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage) **C. <u>Transmission system for Connectivity under GNA:</u>** As per **Annexure I** **Start Date of Connectivity under GNA: 31.12.2029(Interim).** Final date shall be confirmed upon award of the system										

A5. Applications for Connectivity to ISTS under CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 received in Apr'24:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)
1.	2200000706	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	12.04.2024	Generator (Solar)	SJVN LOA	700	01.09.2025	Ramgarh PS
2.	2200000689	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	12.04.2024	Generator (Solar)	SJVN LOA	700	01.03.2027	Ramgarh PS
3.	2200000715	Amaresha Renawables India Project Private Limited	Barmer distt., Rajasthan	15.04.2024	Renewable Power Park Developer (Solar)	Land BG Route	300	01.04.2027	Barmer-I PS
4.	2200000726	NTPC Renewable Energy Limited	Bikaner distt., Rajasthan	23.04.2024	Generator (Solar)	Land Route	1000	31.12.2026	Bikaner-IV PS
5.	2200000756	Juniper Green Energy Private Limited	Jaisalmer distt., Rajasthan	25.04.2024	Generator (Hybrid)	NTPC LOA	360 (Solar-260, Wind-100)	30.06.2026	Ramgarh PS
6.	2200000758	Vayuna Renewables India Project Private Limited	Sirohi distt. Rajasthan	25.04.2024	Renewable Power Park Developer (Solar)	Land BG	300	01.04.2027	Sirohi PS
7.	2200000761	Kantida Renewables India Project Private Limited	Phalodi distt., Rajasthan	25.04.2024	Renewable Power Park Developer (Solar)	Land BG Route	300	01.04.2028	Bhadla IV/Bikaner V PS
8.	2200000743	Izhma Solar Private Limited	Sirohi distt., Rajasthan	26.04.2024	Generator (Solar)	Land BG Route	200	31.03.2028	Sirohi PS
9.	2200000777	Renew Solar Power Private Limited	Jaisalmer distt., Rajasthan	30.04.2024	Generator (Solar)	NTPC LOA	400	30.06.2027	Ramgarh PS
10.	2200000778	Renew Solar Power Private	Barmer distt.,	30.04.2024	Generator (Solar)	SECI	300	31.12.2026	Barmer-I PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)
		Limited	Rajasthan			LOA			
11.	2200000779	Renew Solar Power Private Limited	Sirohi distt., Rajasthan	30.04.2024	Generator (Solar)	NTPC LOA	300	30.06.2027	Sirohi PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
1.	2200000706	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	12.04.2024	Generator (Solar)	SJVN LOA	700	01.09.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s JSW Neo Energy Limited has applied for connectivity for 700 MW at Ramgarh PS. However, as informed earlier, there is no margin available at Ramgarh PS. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS. M/s JSW Neo Energy has also filed additional applications of 1400 MW (App. No. 2200000689-700 MW & 2200000797-700 MW) which are also being discussed in this meeting. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line. Applicant may confirm the scope of 400 kV line bays at Ramgarh-II end.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s JSW Neo Energy Limited has requested Start Date of Connectivity under GNA from 01.09.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s JSW Neo Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling Station for JSW Neo Energy Limited Solar Power Projects (App. No. 220000706(700 MW), App. No. 2200000689(700 MW) & 2200000797(700 MW)) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 1050 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location(As per Application)	Conn BGs requirement
2.	2200000689	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	12.04.2024	Generator (Solar)	SJVN LOA	700	01.09.2025	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s JSW Neo Energy Limited has applied for connectivity for 700 MW at Ramgarh PS. As decided with the previous application of M/s JSW Neo Energy, it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line. Applicant may confirm the scope of 400 kV line bays at Ramgarh-II end.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s JSW Neo Energy Limited has requested Start Date of Connectivity under GNA from 01.05.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s JSW Neo Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling Station for JSW Neo Energy Limited Solar Power Projects (App. No. 220000706(700 MW), App. No. 2200000689(700 MW) & 2200000797(700 MW)) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 1050 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
3.	2200000715	Amaresha Renawables India Project	Barmer distt., Rajasthan	15.04.2024	Renewable Power Park	Land BG Route	300	01.04.2027	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
		Private Limited			Developer (Solar)					

M/s Amaresha Renawables India Project Private Limited has applied for connectivity for 300 MW at Barmer-I PS. However, as informed earlier, there is no margin available at Barmer-I PS. Therefore, connectivity can be granted at Barmer-II PS. Accordingly, it is proposed to grant connectivity at Barmer-II PS through 220 kV S/c line. Applicant may confirm the scope of 220 kV line bay at Barmer-II end & tower configuration.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Amaresha Renawables India Project Private Limited has requested Start Date of Connectivity under GNA from 01.04.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Amaresha Renawables India Project Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Amaresha Renawables India Project Private Limited Renewable Power Park – Barmer-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
4.	2200000726	NTPC Renewable Energy Limited	Bikaner distt., Rajasthan	23.04.2024	Generator (Solar)	Land Route	1000	31.12.2026	Bikaner-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: 2 lakh/MW

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

M/s NTPC Renewable Energy Limited has applied for connectivity for 1000 MW at Bikaner-IV PS. However, as informed earlier, there is no margin available at Bikaner-IV PS. Accordingly, it is proposed to grant connectivity at Bikaner-V PS at 400 kV level through 1 no. of 400 kV line bay. Applicant may confirm the 400kV bay scope at Bikaner-V PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bikaner-V PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s NTPC Renewable Energy Limited has requested Start Date of Connectivity under GNA from 31.12.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s NTPC Renewable Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). NTPC Renewable Energy Limited Solar Power Project– Bikaner-V PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-IV

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
5.	2200000756	Juniper Green Energy Private Limited	Jaisalmer distt., Rajasthan	25.04.2024	Generator (Hybrid)	NTPC LOA	360 (Solar-260, Wind-100)	30.06.2026	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Juniper Green Energy Private Limited has applied for connectivity for 360 MW at Ramgarh PS. However, as informed earlier, there is no margin available at Ramgarh PS. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS through 220 kV S/c line. Applicant may confirm the scope of 220 kV line bay at Ramgarh-II end.

It may be noted that M/s Juniper has applied for connectivity of 360 MW which is more than the contracted capacity of LoA(300 MW). Regarding the

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
grant of connectivity quantum higher than contracted capacity, there is an ongoing case filed by Axis Energy in Andhra Pradesh high court. Therefore, the connectivity of 360 MW shall be granted to M/s Juniper Green Energy for the present application subject to outcome of the decision of Andhra Pradesh High Court in this regard. It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme. M/s Juniper Green Energy Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s Juniper Green Energy Private Limited under GNA is as below: **Details of Transmission system for Connectivity under GNA:** **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). Juniper Green Energy Private Limited Hybrid Power Project – Ramgarh-II PS 220 kV S/c line (Suitable to carry minimum 360 MW at nominal voltage) **C. Transmission system for Connectivity under GNA:** As per Annexure VII **Start Date of Connectivity under GNA: 31.03.2030(Interim).** Final date shall be confirmed upon award of the system									

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
6.	2200000758	Vayuna Renewables India Project Private Limited	Sirohi distt. Rajasthan	25.04.2024	Renewable Power Park Developer (Solar)	Land BG	300	01.04.2027	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Vayuna Renewables India Project Private Limited has applied for connectivity of 300 MW at Sirohi PS. Accordingly, it is proposed to grant connectivity at Sirohi PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Sirohi PS end and the tower configuration.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

It may be noted that the transmission system for evacuation of power from Sirohi was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & NRPC meeting held on 29.06.2024. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Vayuna Renewables India Project Private Limited has requested Start Date of Connectivity under GNA from 01.04.2027. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 01.04.2027 (interim). Transmission system for connectivity of M/s Vayuna Renewables India Project Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Vayuna Renewables India Project Private Limited RE Power Park – Sirohi PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-VIII

Start Date of Connectivity under GNA: 01.04.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
7.	2200000761	Kantida Renewables India Project Private Limited	Phalodi distt., Rajasthan	25.04.2024	Renewable Power Park Developer (Solar)	Land BG Route	300	01.04.2028	Bhadla IV/Bikaner V PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Kantida Renewables India Project Private Limited has applied for connectivity for 300 MW. In the application, the applicant has mentioned nearest pooling station as Bhadla-IV/ Bikaner-V PS. Applicant may clarify regarding the same. It may be noted that such practice of mentioning multiple pooling station names in different RE complexes is not correct. As nearest pooling station is an optional entry, it will be ignored in such cases and based on the coordinates of the Generation project location, connectivity will be granted at nearby available pooling station in that particular RE complex.

Considering the coordinates of the project location provided with the application, it is observed that the project location is in Bhadla complex. Accordingly, it is proposed to grant connectivity at Bhadla-IV PS through 220 kV S/c line. Applicant may confirm the scope of 220 kV line bay at Bhadla-IV end & tower configuration.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

It may be noted that the transmission system for evacuation of power from Bhadla-IV PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Kantida Renewables India Project Private Limited has requested Start Date of Connectivity under GNA from 01.04.2028. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Kantida Renewables India Project Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Kantida Renewables India Project Private Limited RE Power Park – Bhadla-IV PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure II

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
8.	2200000743	Izhma Solar Private Limited	Sirohi distt., Rajasthan	26.04.2024	Generator (Solar)	Land BG Route	200	31.03.2028	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Izhma Solar Private Limited has applied for connectivity of 200 MW at Sirohi PS. Accordingly, it is proposed to grant connectivity at Sirohi PS at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Sirohi PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & NRPC meeting held on 29.06.2024. The scheme is being taken up for approval in the ensuing NCT meeting.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

M/s Izhma Solar Private Limited has requested Start Date of Connectivity under GNA from 31.03.2028. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2028 (interim). Transmission system for connectivity of M/s Izhma Solar Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Izhma Solar Private Limited Solar Power Project – Sirohi PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-VIII

Start Date of Connectivity under GNA: 01.04.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
9.	2200000777	Renew Solar Power Private Limited	Jaisalmer distt., Rajasthan	30.04.2024	Generator (Solar)	NTPC LOA	400	30.06.2027	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Renew Solar Power Private Limited has applied for connectivity for 400 MW at Ramgarh PS. However, as informed earlier, there is no margin available at Ramgarh PS. Accordingly, it is proposed to grant connectivity at Ramgarh-II PS through 220 kV S/c line. Applicant may confirm the scope of 220 kV line bay at Ramgarh-II end.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from 30.06.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

connectivity of M/s Renew Solar Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Renew Solar Power Private Limited Solar Power Project – Ramgarh-II PS 220 kV S/c line (Suitable to carry minimum 400 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
10.	2200000778	Renew Solar Power Private Limited	Barmer distt., Rajasthan	30.04.2024	Generator (Solar)	SECI LOA	300	31.12.2026	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Renew Solar Power Private Limited has applied for connectivity for 300 MW at Barmer-I PS. However, as informed earlier, there is no margin available at Barmer-I PS (except enhancements). Therefore, connectivity of 300 MW can be granted at Barmer-II PS. Accordingly, it is proposed to grant connectivity at Barmer-II PS through 220 kV S/c line. Applicant may confirm the scope of 220 kV line bay at Barmer-II end & tower configuration.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from 31.12.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Renew Solar Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

B. Transmission System under applicant scope

(i). Renew Solar Power Private Limited Solar Power Project – Barmer-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
11.	2200000779	Renew Solar Power Private Limited	Sirohi distt., Rajasthan	30.04.2024	Generator (Solar)	NTPC LOA	300	30.06.2027	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Renew Solar Power Private Limited has applied for connectivity of 300 MW at Sirohi PS. It may be noted that the transmission system for evacuation of power from Sirohi was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & NRPC meeting held on 29.06.2024. The scheme is being taken up for approval in the ensuing NCT meeting.

It may be noted that total connectivity granted at Sirohi PS is 1800 MW. Further, there is margin of 100 MW available at 220 kV bay allocated to Izhma Solar. If the above application is considered for grant at 220 kV Sirohi, total connectivity at 220 KV Sirohi PS shall be 2100 MW. Sirohi PS is having low Short Circuit Ratio at 220 kV. Further, it may be noted that one no. of connectivity application by M/s Renew (App. No. 2200000551-400 MW) is already agreed for grant at 220 kV Sirohi PS in the previous CMETS NR meeting. Therefore, considering the total capacity of 700 MW(400+300 MW) of M/s Renew & SCR issues at 220kV level, it is proposed to grant connectivity at 400 kV Sirohi PS through 1 no. of 400 kV bay for the combined capacity of 700 MW (400+300 MW). Applicant may confirm the 400 kV bay scope at Sirohi PS end and the tower configuration. Further, applicant may confirm the lead entity among the applications (2200000551 & 2200000779) for DTL ownership & submission of Conn BG2.

M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from 30.06.2027. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 30.06.2027 (interim). Transmission system for connectivity of M/s Renew Solar Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

B. Transmission System under applicant scope

(i). Common Pooling Station for Renew Solar Power Private Limited Solar Power Projects (App. No. 2200000551-400 MW & 2200000779 -300 MW) – Sirohi PS 400 kV S/c line (Suitable to carry minimum 900 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-VIII

Start Date of Connectivity under GNA: 30.06.2027(Interim). Final date shall be confirmed upon award of the system

With this grant total connectivity granted at Sirohi PS, is 2100 MW. Transmission system for evacuation of power from Sirohi PS was approved for 2000 MW. Further, Sirohi PS is having low SCR at 200 kV level. Considering above, for grant of additional connectivity beyond 2100 MW at Sirohi PS, additional transmission system is being identified.

A6. Applications for Connectivity to ISTS under CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 received in May'24:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)
1.	2200000755	SA Renewable Infra Private Limited	Bikaner distt., Rajasthan	04.05.2024	Generator (Solar)	Land Route	100	31.03.2026	Bikaner-III PS
2.	2200000796	Vena Energy Vindhya Wind Power Private Limited	Bikaner distt., Rajasthan	06.05.2024	Generator (Solar)	Land BG Route	300	01.10.2027	Bikaner-IV PS
3.	2200000788	ACME Solar Holdings Private Limited	Sirohi distt., Rajasthan	07.05.2024	Generator (Solar)	Land BG Route	300	31.03.2027	Sirohi PS
4.	2200000793	SAEL Industries Limited	Sirohi distt., Rajasthan	10.05.2024	Generator (Solar)	Land BG Route	300	30.05.2026	Sirohi PS
5.	2200000794	SAEL Industries Limited	Sirohi distt., Rajasthan	10.05.2024	Generator (Solar)	Land BG Route	300	30.05.2026	Sirohi PS
6.	2200000811	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	10.05.2024	Generator (Solar)	SECI LOA	765	31.03.2025	Bhadla-II PS
7.	2200000810	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	10.05.2024	Generator (Solar)	SECI LOA	717	31.03.2025	Fatehgarh-III PS
8.	2200000782	RJS Renewables Private	Jaisalmer distt.,	12.05.2024	Generator (Wind)	Land Route	150	20.04.2028	Ramgarh PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)
		Limited	Rajasthan						
9.	2200000797	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	13.05.2024	Generator (Solar)	NTPC LOA	700	01.05.2027	Ramgarh PS
10.	2200000812	Green Infra Wind Energy Private Limited	Nagaur distt., Rajasthan	14.05.2024	Generator (Solar)	Land BG Route	300	31.05.2027	Nagaur PS
11.	2200000813	Green Infra Wind Energy Private Limited	Nagaur distt., Rajasthan	14.05.2024	Generator (Solar)	Land BG Route	300	31.05.2027	Nagaur PS
12.	2200000823	Banyan Energy Private Limited	Nagaur distt., Rajasthan	18.05.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Merta PS
13.	2200000827	Amplus Centaur Solar Private Limited	Sirohi distt., Rajasthan	20.05.2024	Generator (Solar)	Land BG Route	350	30.04.2027	Sirohi PS
14.	2200000807	Adani Renewable Energy Two Limited	Barmer distt., Rajasthan	21.05.2024	Generator (Wind	Land Route	600	31.03.2025	Barmer-I PS
15.	2200000809	Adani Renewable Energy Two Limited	Barmer & Jaisalmer distt., Rajasthan	21.05.2024	Generator (Wind)	Land Route	595	31.03.2025	Barmer-I PS
16.	2200000840	Acme Solar Holdings Private Limited	Jodhpur distt., Rajasthan	25.05.2024	Generator (Solar)	Land BG Route	300	31.03.2027	Nagaur (MERTA-II) PS
17.	2200000842	Purvah Green Power Private Limited	Nagaur distt., Rajasthan	25.05.2024	Generator (Solar)	Land BG Route	300	01.06.2027	Nagaur PS
18.	2200000848	Hexa Climate Solutions Private Limited	Nagaur distt., Rajasthan	25.05.2024	Generator (Solar with ESS)	Land BG Route	300	31.03.2027	Merta-II PS
19.	2200000850	Renew Solar Power Private Limited	Jalore distt., Rajasthan	27.05.2024	Generator (Solar)	NTPC LOA	300	30.11.2026	Jalore PS
20.	2200000854	Hexa Climate Solutions Private Limited	Bikaner distt., Rajasthan	27.05.2024	Generator (Solar with ESS)	Land BG Route	50	30.06.2025	Bikaner PS
21.	2200000856	Serentica Renewables India 11 Private Limited	Barmer distt., Rajasthan	28.05.2024	Generator (Solar with ESS)	NTPC LOA	250	31.12.2027	Barmer PS
22.	2200000866	Solarcraft Power India 8 Private Limited	Bikaner distt., Rajasthan	30.05.2024	Generator (Solar)	LOA or PPA	300	29.06.2026	Bikaner PS
23.	2200000875	Demeter Sun Power Private Limited	Phalodi distt., Rajasthan	30.05.2024	Generator (Solar)	Land Route	300	31.12.2027	Bhadla IV PS
24.	2200000879	Juniper Green Energy Private Limited	Nagaur distt., Rajasthan	30.05.2024	Generator (Solar)	Land BG Route	300	31.12.2027	Merta-II PS
25.	2200000841	Acme Solar Holdings Private Limited	Jodhpur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.03.2027	Nagaur (MERTA-II) PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)
26.	2200000891	Serentica Renewables India Private Limited	Udaipur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	400	30.06.2026	Rishabhdeo PS
27.	2200000886	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.12.2027	Jalore PS
28.	2200000887	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	200	31.07.2027	Jalore PS
29.	2200000888	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	200	30.09.2027	Jalore PS
30.	2200000889	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.10.2027	Jalore PS
31.	2200000890	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	30.11.2027	Jalore PS
32.	2200000860	Enren-III Energy Private Limited	Nagaur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	300	31.01.2027	Nagaur Complex (Merta-II) PS
33.	2200000894	Sindhari Solar Power Private Limited	Nagaur distt., Rajasthan	31.05.2024	Renewable Power Park developer (Solar)	Land BG Route	300	30.06.2027	Nagaur

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
1.	2200000755	SA Renewable Infra Private Limited	Bikaner distt., Rajasthan	04.05.2024	Generator (Solar)	Land Route	100	31.03.2026	Bikaner-III PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s SA Renewable Infra Private Limited has applied for connectivity for 100 MW at Bikaner-III PS. However, as informed earlier, there is no margin available at Bikaner-III PS & Bikaner-IV PS. Accordingly, it is proposed to grant connectivity at Bikaner-V PS at 220 kV level in sharing with M/s Avaada RJ Bikaner Pvt. Ltd. (App. No. 2200000561 – 136 MW).

It may be noted that the transmission system for evacuation of power from Bikaner-V PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s SA Renewable Infra Private Limited has requested Start Date of Connectivity under GNA from 31.03.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s SA Renewable Infra Private Limited under GNA is as below:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. **Associated Transmission System (ATS):** **NIL**

B. **Transmission System under applicant scope**

(i). Through sharing of dedicated transmission system of M/s Avaada RJ Bikaner Private Limited. (App. No. 2200000561-136 MW) – Bikaner-V PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage).

(ii). Infrastructure required for sharing dedicated transmission system - under the scope of M/s SA Renewable Infra Private Limited

C. **Transmission system for Connectivity under GNA:** As per Annexure-IV

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
2.	2200000796	Vena Energy Vindhya Wind Power Private Limited	Bikaner distt., Rajasthan	06.05.2024	Generator (Solar)	Land BG Route	300	01.10.2027	Bikaner-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Vena Energy Vindhya Wind Power Private Limited has applied for connectivity for 300 MW at Bikaner-IV PS. However, as informed earlier, there is no margin available at Bikaner-IV PS. Accordingly, it is proposed to grant connectivity at Bikaner-V PS at 220 kV level through 1 no. of bay. Applicant may confirm the 220kV bay scope at Bikaner-V PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bikaner-V PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Vena Energy Vindhya Wind Power Private Limited has requested Start Date of Connectivity under GNA from 01.10.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Vena Energy Vindhya Wind Power Private Limited under GNA is as below:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Details of Transmission system for Connectivity under GNA: **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). Vena Energy Vindhya Wind Power Private Limited Solar Power Project – Bikaner-V PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage). **C. Transmission system for Connectivity under GNA:** As per Annexure-IV **Start Date of Connectivity under GNA: 31.12.2029(Interim).** Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
3.	2200000788	ACME Solar Holdings Private Limited	Sirohi distt., Rajasthan	07.05.2024	Generator (Solar)	Land BG Route	300	31.03.2027	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s ACME Solar Holdings Private Limited has applied for connectivity of 300 MW at Sirohi PS. However, as informed earlier, in view of proposed grant of connectivity of 2100 MW at Sirohi PS, additional transmission system for evacuation of power from Sirohi complex is being identified. Accordingly, the above application shall be taken up for discussion for grant in the next CMETS NR meeting after identification of transmission system.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
4.	2200000793	SAEL Industries Limited	Sirohi distt., Rajasthan	10.05.2024	Generator (Solar)	Land BG Route	300	30.05.2026	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
5.	2200000794	SAEL Industries Limited	Sirohi distt., Rajasthan	10.05.2024	Generator (Solar)	Land BG Route	300	30.05.2026	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
M/s SAEL Industries Limited has filed two no of applications of 300 MW each (total 600 MW) at Sirohi PS. However, as informed earlier, in view of grant of connectivity of 2100 MW at Sirohi PS, additional transmission system for evacuation of power from Sirohi complex is being identified. Accordingly, the above application shall be taken up for discussion for grant in the next CMETS NR meeting after identification of transmission system.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
6.	2200000811	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	10.05.2024	Generator (Solar)	SECI LOA	765	31.03.2025	Bhadla-II PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for connectivity of 765 MW at Bhadla-II PS. However, there is no margin available for grant of connectivity of 765 MW at Bhadla-II PS & Bhadla-III PS. Accordingly, it is proposed to grant connectivity to M/s Adani Renewable at Bhadla-IV PS through 400 kV bay(1 no.). Applicant may confirm the 400 kV bay scope at Bhadla-IV PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Adani Renewable Energy Holding Four Limited has requested Start Date of Connectivity under GNA from 31.03.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Adani Renewable Energy Holding Four Limited Solar Power Project – Bhadla-IV PS 400 kV S/c line (Suitable to carry minimum 900 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-II

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
7.	2200000810	Adani Renewable Energy Holding Four Limited	Jaisalmer distt., Rajasthan	10.05.2024	Generator (Solar)	SECI LOA	717	31.03.2025	Fatehgarh-III PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Adani Renewable Energy Holding Four Limited has applied for connectivity of 717 MW at Fatehgarh-III PS. However, there is no margin available at Fatehgarh-III PS, Fatehgarh-IV PS & Barmer-I PS for grant of connectivity of 717 MW. Another application of 600 MW by M/s Adani (2200000807-600 MW) is also being discussed for grant at Barmer-II PS in the same meeting. Accordingly, it is proposed to grant connectivity at Barmer-II PS through 400 kV S/c (high capacity) line for the combined capacity of 1317 MW. Applicant may confirm the 400 kV bay scope at Barmer-II PS end and tower configuration.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Adani Renewable Energy Holding Four Limited has requested Start Date of Connectivity under GNA from 31.03.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Adani Renewable Energy Holding Four Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common pooling station for Adani Renewable Energy Holding Four Limited(App. No. 2200000810-717 MW) Solar Power Project & Adani Renewable Energy Two Limited (App. No. 2200000807-600 MW) Wind Power Project – Barmer-II PS 400 kV S/c (high capacity) line (Suitable to carry minimum 1317 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-I

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
8.	2200000782	RJS Renewables Private Limited	Jaisalmer distt., Rajasthan	12.05.2024	Generator (Wind)	Land Route	150	20.04.2028	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s RJS Renewables Private Limited has applied for connectivity for 150 MW at Ramgarh PS. There is 150 MW margin available at Ramgarh PS at 400 kV in sharing with M/s Adani. Therefore, connectivity can be granted either at Ramgarh PS at 400 kV in sharing with M/s Adani or at Ramgarh-II PS at 220 kV through 1 no. of bay. After considering above options, it is proposed to grant connectivity at Ramgarh PS in sharing with M/s Adani at 400 kV. Applicant may confirm the same.

It may be noted that the evacuation system for connectivity at Ramgarh PS shall be through Ramgarh-II HVDC system which is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s RJS Renewables Private Limited has requested Start Date of Connectivity under GNA from 20.04.2028. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s RJS Renewables Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Through sharing of dedicated transmission system of M/s Adani Renewable Energy Holding Four Ltd(500) – Ramgarh PS 400 kV S/c line (Suitable to carry minimum 900 MW at nominal voltage).

(ii). Infrastructure required for sharing dedicated transmission system - under the scope of M/s RJS Renewables Private Limited

C. Transmission system for Connectivity under GNA: As per Annexure-VI

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
9.	2200000797	JSW Neo Energy Limited	Jaisalmer distt., Rajasthan	13.05.2024	Generator (Solar)	NTPC LoA	700	01.05.2027	Ramgarh PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s JSW Neo Energy Limited has applied for connectivity for 700 MW at Ramgarh PS. As informed with the previous applications of JSW Neo Energy (2200000706-700 MW & 22000000689-700 MW), it is proposed to grant connectivity at Ramgarh-II PS through 400 kV D/c line.

It may be noted that the transmission system for evacuation of power from Ramgarh-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s JSW Neo Energy has requested Start Date of Connectivity under GNA from 01.05.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2030), the start date of Connectivity under GNA shall be 31.03.2030 (interim). Transmission system for connectivity of M/s JSW Neo Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling Station for JSW Neo Energy Limited Solar Power Projects (App. No. 220000706(700 MW), App. No. 2200000689(700 MW) & 2200000797(700 MW)) – Ramgarh-II PS 400 kV D/c line (Suitable to carry minimum 1050 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure VII

Start Date of Connectivity under GNA: 31.03.2030(Interim). Final date shall be confirmed upon award of the system.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
With this grant, total connectivity granted at Ramgarh-II PS shall be 4994 MW. Considering additional 1000 MW capacity, being evacuated from Ramgarh PS through Ramgarh-II HVDC system, total connectivity granted with Ramgarh-II HVDC system shall be about 6000 MW. As Ramgarh-II HVDC is planned for 6000 MW. Ramgarh-II PS shall be closed for further grant of connectivity including enhancements. Subsequent applications received in Ramgarh complex shall be considered for grant at Ramgarh-III PS for which system is yet to be identified.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
10.	2200000812	Sembcorp Green Infra Private Limited (erstwhile Green Infra Wind Energy Private Limited)	Nagaur distt., Rajasthan	14.05.2024	Generator (Solar)	Land BG Route	300	31.05.2027	Nagaur PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
11.	2200000813	Sembcorp Green Infra Private Limited (erstwhile Green Infra Wind Energy Private Limited)	Nagaur distt., Rajasthan	14.05.2024	Generator (Solar)	Land BG Route	300	31.05.2027	Nagaur PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Sembcorp Green Infra Private Limited (erstwhile Green Infra Wind Energy Private Limited) has filed two no. of applications for connectivity of 300 MW each at Nagaur PS. Considering the above applications, it is proposed to grant connectivity at Merta-II PS in Nagaur complex at 220 kV level through D/c line bay. Applicant may confirm the 220kV bays scope at Merta-II PS end. It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting. M/s Sembcorp Green Infra Private Limited has requested Start Date of Connectivity under GNA from 31.05.2027. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.05.2027 (interim) as requested. Transmission system for connectivity of M/s Sembcorp Green Infra Private Limited under GNA is as below:										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Sembcorp Green Infra Private Limited Solar Power Project– Merta-II PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-IX

Start Date of Connectivity under GNA: 31.05.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
12.	2200000823	Banyan Energy Private Limited	Nagaur distt., Rajasthan	18.05.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Merta PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Banyan Energy Private Limited has applied for connectivity of 300 MW at Merta PS. Accordingly, it is proposed to grant connectivity at Merta-II PS in Nagaur complex at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Merta-II PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Banyan Energy Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Banyan Energy Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
(i). Banyan Energy Private Limited Solar Power Project– Merta-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage) **C. <u>Transmission system for Connectivity under GNA:</u>** As per Annexure-IX **Start Date of Connectivity under GNA: 31.03.2027(Interim).** Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
13.	2200000827	Amplus Centaur Solar Private Limited	Sirohi distt., Rajasthan	20.05.2024	Generator (Solar)	Land BG Route	350	30.04.2027	Sirohi PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Amplus Centaur Solar Private Limited has applied for connectivity of 350 MW at Sirohi PS. However, as informed earlier, in view of grant of connectivity of 2100 MW at Sirohi PS, additional transmission system for evacuation of power from Sirohi complex is to be identified. Accordingly, the above application shall be taken up for discussion for grant in the next CMETS NR meeting after identification of transmission system.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
14.	2200000807	Adani Renewable Energy Two Limited	Barmer distt., Rajasthan	21.05.2024	Generator (Wind)	Land Route	600	31.03.2025	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Adani Renewable Energy Two Limited has applied for connectivity for 600 MW at Barmer-I PS. As discussed with the previous application of M/s Adani Renewable (App No. 2200000810-717 MW), it is proposed to grant connectivity at Barmer-II PS through common 400 kV S/c line for combined capacity of 1317 MW(717+600). It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
M/s Adani Renewable Energy Two Limited has requested Start Date of Connectivity under GNA from 31.03.2025. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029(interim). Transmission system for connectivity of Adani Renewable Energy Two Limited under GNA is as below: **Details of Transmission system for Connectivity under GNA:** **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). Common pooling station for Adani Renewable Energy Holding Four Limited (App. No. 2200000810-717 MW) Solar Power Project & Adani Renewable Energy Two Limited (App. No. 2200000807-600 MW) Wind Power Project – Barmer-II PS 400 kV S/c (high capacity) line (Suitable to carry minimum 1317 MW at nominal voltage) **C. Transmission system for Connectivity under GNA:** As per Annexure-I **Start Date of Connectivity under GNA: 31.12.2029(Interim).** Final date shall be confirmed upon award of the system									

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
15.	2200000809	Adani Renewable Energy Two Limited	Barmer & Jaisalmer distt., Rajasthan	21.05.2024	Generator (Wind)	Land Route	595	31.03.2025	Barmer-I PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Adani Renewable Energy Two Limited has applied for connectivity for 595 MW at Barmer-I PS. However, there is no sufficient margin available at Barmer-I PS(except enhancement of 50 MW). Further, the total connectivity granted or proposed to be granted till now at Barmer-II is 5307 MW. Barmer-II PS is being planned for evacuation of 6000 MW. Therefore, considering the enhancement margins available at 220 kV bays allocated to Green Infra(170 MW) & NTPC(100 MW) at Barmer-II PS, remaining margin for fresh connectivity is only 423 MW at Barmer-II PS. Therefore, the present application shall be considered for grant at Barmer-III PS. Accordingly, it is proposed to grant connectivity at Barmer-III PS at 220 kV level through D/c line. Applicant may confirm the 220 kV bay scope at Barmer-III PS end. It may be noted that the transmission system for evacuation of power from Barmer-III PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.									

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

M/s Adani Renewable Energy Two Limited has requested Start Date of Connectivity under GNA from 31.03.2025. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of Adani Renewable Energy Two Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Adani Renewable Energy Two Limited Wind Power Projects – Barmer-III PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-XII

Start Date of Connectivity under GNA: 30.06.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
16.	2200000840	Acme Solar Holdings Private Limited	Jodhpur distt., Rajasthan	25.05.2024	Generator (Solar)	Land BG Route	300	31.03.2027	Nagaur (MERTA-II) PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Acme Solar Holdings Private Limited has applied for connectivity of 300 MW at Nagaur (Merta-II PS). Accordingly, it is proposed to grant connectivity at Merta-II PS in Nagaur complex at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Merta-II PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Acme Solar Holdings Private Limited has requested Start Date of Connectivity under GNA from 31.03.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Acme Solar Holdings Private Limited under GNA is as below:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. **Associated Transmission System (ATS):** **NIL**

B. **Transmission System under applicant scope**

(i). Acme Solar Holdings Private Limited Solar Power Project– Merta-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. **Transmission system for Connectivity under GNA:** As per Annexure-X

Start Date of Connectivity under GNA: 31.03.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
17.	2200000842	Purvah Green Power Private Limited	Nagaur distt., Rajasthan	25.05.2024	Generator (Solar)	Land BG Route	300	01.06.2027	Nagaur PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Purvah Green Power Private Limited has applied for connectivity of 300 MW at Nagaur PS. Accordingly, it is proposed to grant connectivity at Merta-II PS in Nagaur complex at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Merta-II PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Purvah Green Power Private Limited has requested Start Date of Connectivity under GNA from 01.06.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 01.06.2027 (interim). Transmission system for connectivity of M/s Purvah Green Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. **Associated Transmission System (ATS):** **NIL**

B. **Transmission System under applicant scope**

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

(i). Purvah Green Power Private Limited Solar Power Project– Merta-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per Annexure-X

Start Date of Connectivity under GNA: 01.06.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
18.	2200000848	Hexa Climate Solutions Private Limited	Nagaur distt., Rajasthan	25.05.2024	Generator (Solar with ESS)	Land BG Route	300	31.03.2027	Merta-II PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Hexa Climate Solutions Private Limited has applied for connectivity of 300 MW at Merta PS. Accordingly, it is proposed to grant connectivity at Merta-II PS in Nagaur complex at 220 kV level through 1 no. of 220 kV line bay. Applicant may confirm the 220kV bay scope at Merta-II PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Hexa Climate Solutions Private Limited has requested Start Date of Connectivity under GNA from 31.03.2027. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Hexa Climate Solutions Private Limited under GNA is as below:

<u>Details of Transmission system for Connectivity under GNA:</u>

A. <u>Associated Transmission System (ATS):</u> NIL

B. <u>Transmission System under applicant scope</u>

(i). Hexa Climate Solutions Private Limited Solar Power Project– Merta-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per Annexure-X

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Start Date of Connectivity under GNA: 31.03.2027(Interim). Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
19.	2200000850	Renew Solar Power Private Limited	Jalore distt., Rajasthan	27.05.2024	Generator (Solar)	NTPC LOA	300	30.11.2026	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Renew Solar Power Private Limited has applied for connectivity of 300 MW at Jalore PS. Accordingly, it is proposed to grant connectivity at Jalore PS. M/s Renew has filed multiple applications at Jalore PS for cumulative connectivity quantum of 1000 MW at Jalore PS which are also being discussed in the same meeting. Accordingly, it is proposed to grant connectivity at Jalore PS through 400 kV S/c line through 1 no. of 400 kV line bay. Applicant may confirm the 400 kV bay scope at Jalore PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Jalore through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from 30.11.2026. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of M/ Renew Solar Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling Station for Renew Solar Power Private Solar Power Projects (App. No. 2200000850(300 MW), 2200000886(100 MW), 2200000887(200 MW), 2200000888(200 MW) 2200000889(100 MW), 2200000890(100 MW)) – Jalore PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-X

Start Date of Connectivity under GNA: 30.06.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
20.	2200000854	Hexa Climate Solutions Private Limited	Bikaner distt., Rajasthan	27.05.2024	Generator (Solar with ESS)	Land BG Route	50	30.06.2025	Bikaner PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Hexa Climate Solutions Private Limited has applied for connectivity of 50 MW at Bikaner PS. At Bikaner PS, margin of 50 MW is available at 400 kV in sharing with Renew or Azure or Ayana. Therefore, applicant may confirm the name of entity whose DTL they shall be sharing for connectivity of 50 MW. Further, applicant need to submit the sharing agreement with the chosen entity. Considering the coordinates of the project location, it is observed that the project is very close to Ayana Renewable. Further, the location is within 10 km from other two 400 kV grantees at Bikaner PS(Renew & Azure). Accordingly, connectivity can be granted at Bikaner PS at 400 kV level through sharing of dedicated transmission system of either of Renew/Azure/Ayana which is to be confirmed by the applicant. Applicant may confirm the same.

Further, connectivity can also be considered for grant at Bikaner-V PS at 220 kV in sharing for which the evacuation shall be with Bikaner-V HVDC scheme (expected in Dec'29).

M/s Hexa Climate Solutions Private Limited has requested Start Date of Connectivity under GNA from 30.06.2025. Considering the same and expected commissioning date of transmission system (i.e. 31.03.2027), the start date of Connectivity under GNA shall be 31.03.2027 (interim). Transmission system for connectivity of M/s Hexa Climate Solutions Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Through sharing of dedicated transmission system of M/s Renew/Azure/Ayana (To be informed by the applicant) – Bikaner PS 400 kV S/c line (Suitable to carry minimum 900 MW at nominal voltage).

(ii). Infrastructure required for sharing dedicated transmission system - under the scope of M/s Hexa Climate Solutions Private Limited

C. Transmission system for Connectivity under GNA: As per Annexure-III

Start Date of Connectivity under GNA: 31.03.2027(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
21.	2200000856	Serentica Renewables India 11 Private Limited	Barmer distt., Rajasthan	28.05.2024	Generator (Solar with ESS)	NTPC LOA	250	31.12.2027	Barmer PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Serentica Renewables India 11 Private has applied for connectivity for 250 MW at Barmer-I PS. As informed earlier, total connectivity granted/agreed to grant connectivity at Barmer-II PS is 5307 MW. Considering the enhancement margins available in already allocated 220 kV bays at Barmer-II PS(Green Infra: 170MW & NTPC: 100 MW), additional margin available at Barmer-II PS is about 423 MW. Accordingly, it is proposed to grant connectivity of 250 MW to M/s Serentica at Barmer-II PS at 220 kV level through 1 no. of bay

It may be noted that M/s Serentica has applied for connectivity of 250 MW which is more than the contracted capacity of LoA(200 MW). Regarding the grant of connectivity quantum higher than contracted capacity, there is an ongoing case filed by Axis Energy in Andhra Pradesh high court. Therefore, the connectivity of 250 MW shall be granted to M/s Serentica Renewables for the present application subject to outcome of the decision of Andhra Pradesh High Court in this regard.

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Serentica Renewables India 11 Private Limited has requested Start Date of Connectivity under GNA from 31.12.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Serentica Renewables India 11 Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Serentica Renewables India 11 Private Limited – Barmer-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage).

C. Transmission system for Connectivity under GNA: As per Annexure-I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
22.	2200000866	Solarcraft Power India 8 Private Limited	Bikaner distt., Rajasthan	30.05.2024	Generator (Solar)	LOA or PPA	300	29.06.2026	Bikaner PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Solarcraft Power India 8 Private Limited has applied for connectivity for 300 MW at Bikaner PS. However, at Bikaner complex there is margin is available at Bikaner-V PS. Accordingly, it is proposed to grant connectivity at Bikaner-V PS at 220 kV level through 1 no. of bay. Applicant may confirm the 220 kV bay scope at Bikaner-V PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bikaner-V PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Solarcraft Power India 8 Private Limited has requested Start Date of Connectivity under GNA from 29.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Solarcraft Power India 8 Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Solarcraft Power India 8 Private Limited Solar Power Project – Bikaner-V PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage).

C. Transmission system for Connectivity under GNA: As per Annexure-IV

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
23.	2200000875	Demeter Sun Power Private Limited	Phalodi distt., Rajasthan	30.05.2024	Generator (Solar)	Land Route	300	31.12.2027	Bhadla IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
										• Conn BG3: Rs. 2 lakh/MW

M/s Demeter Sun Power Private Limited has applied for connectivity of 300 MW at Bhadla-IV PS. Accordingly, it is proposed to grant connectivity at Bhadla-IV PS at 220 kV level through 1 no. of bay. Applicant may confirm the 220 kV bay scope at Bhadla-IV PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Demeter Sun Power Private Limited has requested Start Date of Connectivity under GNA from 31.12.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s Demeter Sun Power Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Demeter Sun Power Private Limited Solar Power Project – Bhadla-IV PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-II

Start Date of Connectivity under GNA: 31.12.2029Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
24.	2200000879	Juniper Green Energy Private Limited	Nagaur distt., Rajasthan	30.05.2024	Generator (Solar)	Land BG Route	300	31.12.2027	Merta-II PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Juniper Green Energy Private Limited has applied for connectivity of 300 MW at Merta-II PS. Accordingly, it is proposed to grant connectivity at Merta-II PS at 220 kV level through 1 no. of bay. Applicant may confirm the 220 kV bay scope at Merta-II PS end and the tower configuration.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

It may be noted that the transmission system for evacuation of power from Sirohi & Merta-II PS was recently approved in the 30th CMETS NR meeting held on 18.06.2024 & 74th NRPC meeting held on 29.06.2023. The scheme is being taken up for approval in the ensuing NCT meeting.

M/s Juniper Green Energy Private Limited has requested Start Date of Connectivity under GNA from 31.12.2027. Considering the same and expected commissioning date of transmission system (i.e. 31.12.2027), the start date of Connectivity under GNA shall be 31.12.2027 (interim). Transmission system for connectivity of M/s Juniper Green Energy Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Juniper Green Energy Private Limited Solar Power Project– Merta-II PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-IX

Start Date of Connectivity under GNA: 31.12.2027(Interim). Final date shall be confirmed upon award of the system

With this grant of 300 MW connectivity to M/s Juniper, total connectivity granted at Merta-II PS is 2100 MW. As the transmission system for evacuation of power from Merta-II was for 2000 MW capacity at Merta-II PS, additional transmission system needs to be identified for evacuation of power from Merta/Nagaur complex beyond 2100 MW. Therefore, all subsequent applications at Merta-II/Nagaur will be taken up in the subsequent CMETS NR meeting.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
25.	2200000841	Acme Solar Holdings Private Limited	Jodhpur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.03.2027	Nagaur (MERTA-II) PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Acme Solar Holdings Private Limited has applied for connectivity of 100 MW at Merta-II PS. As informed earlier, in view of 2100 MW connectivity already granted at Merta-II PS, additional transmission scheme is to be identified for grant of connectivity beyond 2100 MW at Merta-II PS.

Accordingly, the above application shall be taken up for discussion in the next CMETS NR meeting after identification of transmission system.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity location(As per Application)	Conn BGs requirement
26.	2200000891	Serentica Renewables India Private Limited	Udaipur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	400	30.06.2026	Rishabhdeo PS	To be decided
M/s Serentica Renewables India Private Limited has applied for connectivity of 400 MW connectivity at Rishabdeo S/s. For evacuation of power from Rishabdeo, additional transmission scheme (sch upto Mar'30) is to be identified for which studies are being carried out. Accordingly, the above application shall be taken up for discussion in the next CMETS NR meeting after identification of transmission system.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
27.	2200000886	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.12.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
28.	2200000887	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	200	31.07.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
29.	2200000888	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	200	30.09.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
30.	2200000889	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	31.10.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
31.	2200000890	Renew Solar Power Private Limited	Jalore distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	100	30.11.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Renew Solar Power Private Limited has applied for connectivity of cumulative quantum of 700 MW at Jalore PS through above applications(5 No.). Considering the already discussed application of M/s Renew Solar at Jalore PS (App. No. 2200000850- 300 MW), total connectivity quantum is 1000 MW. As discussed under previous application of M/s Renew at Jalore(App. No. 2200000850- 300 MW), it is proposed to grant connectivity at Jalore PS through 400 kV S/c line for combined connectivity of 1000 MW. It may be noted that the transmission system for evacuation of power from Jalore PS through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
The detailed transmission system shall be informed upon finalization and approval of the scheme. M/s Renew Solar Power Private Limited has requested Start Date of Connectivity under GNA from dates ranging between 31.07.2027 & 31.12.2027 for the above applications. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim) for all the above applications. Transmission system for connectivity of M/ Renew Solar Power Private Limited under GNA is as below: **Details of Transmission system for Connectivity under GNA:** **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). Common Pooling Station for Renew Solar Power Private Solar Power Projects (App. No. 2200000850(300 MW), 2200000886(100 MW), 2200000887(200 MW), 2200000888(200 MW) 2200000889(100 MW), 2200000890(100 MW)) – Jalore PS 400 kV S/c line (Suitable to carry minimum 1000 MW at nominal voltage) **C. Transmission system for Connectivity under GNA:** As per Annexure-X **Start Date of Connectivity under GNA: 30.06.2030(Interim).** Final date shall be confirmed upon award of the system									

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
32.	2200000860	Enren-III Energy Private Limited	Nagaur distt., Rajasthan	31.05.2024	Generator (Solar)	Land BG Route	300	31.01.2027	Nagaur Complex (Merta-II) PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Enren-III Energy Private Limited has applied for connectivity of 300 MW at Merta-II PS. As informed earlier, in view of 2100 MW connectivity already granted at Merta-II PS, additional transmission scheme is to be identified for grant of connectivity beyond 2100 MW at Merta-II PS. Accordingly, the above application shall be taken up for discussion in the next CMETS NR meeting after identification of transmission system.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
33.	2200000894	Sindhari Solar Power Private Limited	Nagaur distt., Rajasthan	31.05.2024	Renewable Power Park developer (Solar)	Land BG Route	300	30.06.2027	Nagaur	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Sindhari Solar Power Private Limited has applied for connectivity of 300 MW at Nagaur. As informed earlier, in view of 2100 MW connectivity already granted at Merta-II PS, additional transmission scheme is to be identified for grant of connectivity beyond 2100 MW at Merta-II PS in Nagaur complex. Accordingly, the above application shall be taken up for discussion in the next CMETS NR meeting after identification of transmission system.										

A7. Applications for Connectivity to ISTS under CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 received in June'24:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Injection at ISTS point (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)
1.	2200000832	Prespa Solar Private Limited	Nagaur distt., Rajasthan	04.06.2024	Renewable Power Park developer (Solar)	Land BG Route	250	31.12.2026	Nagaur Complex (Merta-II PS)
2.	2200000910	Vismaya Four Renewables Private Limited	Bikaner distt., Rajasthan	06.06.2024	Generator (Solar)	Land BG Route	250	01.04.2030	Bhadla IV
3.	2200000943	Sunsure Solarpark RJ One Private Limited	Jalore distt., Rajasthan	18.06.2024	Generator (Solar)	Land BG Route	300	31.12.2027	Jalore PS
4.	2200000906 (Enhancement)	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	19.06.2024	Generator (Solar)	Land Route	500	30.10.2026	Fatehgarh-IV PS
5.	2200000945	HR Saraswati Energy Private Limited	Jalore distt., Rajasthan	20.06.2024	Generator (Solar)	Land BG Route	300	30.07.2027	Jalore PS
6.	2200000954	Vismaya Five Renewables Private Limited	Barmer distt., Rajasthan	21.06.2024	Generator (Solar)	Land BG Route	250	31.10.2030	Barmer II/Ramgarh II/ Pali PS
7.	2200000955	Acme Solar Holdings Private Limited	Jalore distt., Rajasthan	21.06.2024	Generator (Solar)	Land BG Route	500	31.03.2027	Jalore PS
8.	2200000946	HR Saraswati Energy Private Limited	Sanchore distt., Rajasthan	22.06.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sanchore PS
9.	2200000973 (Enhancement)	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	24.06.2024	Generator (Solar)	Land Route	100	31.03.2027	Fatehgarh-IV PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Injection at ISTS point (MW)	Start Date of Connectivity (As per Application)	Connectivity location (As per Application)
10.	2200001006	Sprng Vaayu Urja Private Limited	Jalore distt., Rajasthan	29.06.2024	Renewable Power Park developer (Solar)	Land BG Route	600	31.12.2029	Jalore PS

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
1.	2200000832	Prespa Solar Private Limited	Nagaur distt., Rajasthan	04.06.2024	Renewable Power Park developer (Solar)	Land BG Route	250	31.12.2026	Nagaur Complex (Merta-II PS)	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Prespa Solar Private Limited has applied for connectivity of 250 MW at Merta-II PS. As informed earlier, in view of 2100 MW connectivity already granted at Merta-II PS, additional transmission scheme is to be identified for grant of connectivity beyond 2100 MW at Merta-II PS.

Accordingly, the above application shall be taken up for discussion for grant in the next CMETS NR meeting after identification of transmission system.

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
2.	2200000910	Vismaya Four Renewables Private Limited	Bikaner distt., Rajasthan	06.06.2024	Generator (Solar)	Land BG Route	250	01.04.2030	Bhadla IV	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Vismaya Four Renewables Private Limited has applied for connectivity of 250 MW at Bhadla-IV PS. Accordingly, it is proposed to grant connectivity at Bhadla-IV PS at 220 kV level. It may be noted that one no. of 220 kV bay is allocated to M/s Kryos Hybren (App. No. 2200000624 : 100 MW) at Bhadla-IV PS in the same meeting. Considering the margin available at 220 kV bay & the connectivity quantum of M/s Vismaya Four, it is proposed to grant connectivity of 250 MW to M/s Vismaya Four in sharing with Kryos Hybren through same bay & DTL.

It may be noted that the transmission system for evacuation of power from Bhadla-IV is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Vismaya Four Renewables Private Limited has requested Start Date of Connectivity under GNA from 01.04.2030. Considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 01.04.2030 (interim). Transmission system for connectivity of M/s Vismaya Four Renewables Private Limited under GNA is as below:

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Through sharing of dedicated transmission system of M/s Kryos Hybren Private Ltd(App. No. 2200000624-100 MW) – Bhadla-IV PS 220 kV S/c line (Suitable to carry minimum 350 MW at nominal voltage).

(ii). Infrastructure required for sharing dedicated transmission system - under the scope of M/s Vismaya Four Renewables Private Limited

C. Transmission system for Connectivity under GNA: As per Annexure-II

Start Date of Connectivity under GNA: 01.04.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
3.	2200000943	Sunsure Solarpark RJ One Private Limited	Jalore distt., Rajasthan	18.06.2024	Generator (Solar)	Land BG Route	300	31.12.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Sunsure Solarpark RJ One Private Limited has applied for connectivity of 300 MW at Jalore PS. Accordingly, it is proposed to grant connectivity at Jalore PS at 220 kV through 1 no. of 220 kV line bay. Applicant may confirm the 220 kV bay scope at Jalore PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Jalore through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Sunsure Solarpark RJ One Private Limited has requested Start Date of Connectivity under GNA from 31.12.2027. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of M/s Sunsure Solarpark RJ One Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

B. Transmission System under applicant scope

(i). Sunsure Solarpark RJ One Private Limited Solar Power Project – Jalore PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-X

Start Date of Connectivity under GNA: 30.06.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
4.	2200000906 (Enhancement)	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	19.06.2024	Generator (Solar)	Land Route	500	30.10.2026	Fatehgarh-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s NTPC Renewable Energy Limited has applied for enhancement of connectivity for 500 MW at Fatehgarh-IV PS. However, there is no further margins available at Fatehgarh-IV PS& Barmer-I PS. In Barmer-II PS, total connectivity granted/agreed to grant is 5557 MW. Considering the enhancement margins available at already allocated bays(Green Infra: 170 MW, NTPC : 100 MW & Serentica:50 MW), remaining margin at Barmer-II PS is only 123 MW. Accordingly, it is proposed to grant connectivity at Barmer-III PS at 220 kV level through D/c line. Applicant may confirm the 220 kV bay scope at Barmer-III PS end.

It may be noted that the transmission system for evacuation of power from Barmer-III PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s NTPC Renewable Energy Limited has requested Start Date of Connectivity under GNA from 31.10.2026. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of NTPC Renewable Energy Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

(i). NTPC Renewable Energy Limited Solar Power Project – Barmer-III PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per Annexure-XII

Start Date of Connectivity under GNA: 30.06.2030(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
5.	2200000945	HR Saraswati Energy Private Limited	Jalore distt., Rajasthan	20.06.2024	Generator (Solar)	Land BG Route	300	30.07.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s HR Saraswati Energy Private Limited has applied for connectivity of 300 MW at Jalore PS. Accordingly, it is proposed to grant connectivity at Jalore PS at 220 kV through 1 no. of 220 kV line bay. Applicant may confirm the 220 kV bay scope at Jalore PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Jalore through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s HR Saraswati Energy Private Limited has requested Start Date of Connectivity under GNA from 30.07.2027. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of M/s HR Saraswati Energy Private Limited under GNA is as below:

<u>Details of Transmission system for Connectivity under GNA:</u>

A. <u>Associated Transmission System (ATS):</u> NIL

B. <u>Transmission System under applicant scope</u>

(i). HR Saraswati Energy Private Limited Solar Power Project – Jalore PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage)

C. <u>Transmission system for Connectivity under GNA:</u> As per Annexure-X

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
Start Date of Connectivity under GNA: 30.06.2030(Interim). Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
6.	2200000954	Vismaya Five Renewables Private Limited	Barmer distt., Rajasthan	21.06.2024	Generator (Solar)	Land BG Route	250	31.10.2030	Barmer II/ Ramgarh II/ Pali PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Vismaya Five Renewables Private Limited has applied for connectivity for 250 MW. In the application, the applicant has mentioned nearest pooling station as Barmer II/ Ramgarh II/ Pali PS. Applicant may clarify regarding the same. It may be noted that such practice of mentioning multiple pooling station names in different RE complexes is not correct. As nearest pooling station is an optional entry, it will be ignored in such cases and based on the coordinates of the Generation project location, connectivity will be granted at nearby available pooling station in that particular RE complex.

Considering the coordinates of the project location provided with the application, it is observed that the project location is in Fatehgarh-Barmer complex. At Barmer-II PS, total connectivity granted/agreed to grant is 5557 MW. Considering the enhancement margins available at already allocated bays (Green Infra: 170 MW, NTPC : 100 MW & Serentica:50 MW), remaining margin at Barmer-II PS is only 123 MW. Accordingly, it is proposed to grant connectivity at Barmer-II PS in sharing with M/s Green Infra(130 MW) at 220 kV .

It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Vismaya Five Renewables Private Limited has requested Start Date of Connectivity under GNA from 31.10.2030. Considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.10.2030 (interim) as requested. Transmission system for connectivity of Vismaya Five Renewables Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
(i). Through sharing of dedicated transmission system of M/s Green Infra Clean Solar Farms Limited. (App. No. 2200000408-130 MW) – Barmer-II PS 220 kV S/c line on D/c tower(Suitable to carry minimum 380 MW at nominal voltage). (ii). Infrastructure required for sharing dedicated transmission system - under the scope of M/s Vismaya Five Renewables Private Limited **C. <u>Transmission system for Connectivity under GNA:</u>** As per Annexure-XII **Start Date of Connectivity under GNA: 31.10.2030(Interim).** Final date shall be confirmed upon award of the system With this grant, total connectivity granted at Barmer-II PS shall be 5807 MW. Considering enhancement margin available at already allocated bays (NTPC : 100 MW & Serentica:50 MW), total connectivity granted at Barmer-II PS shall be about 5957 MW. As Barmer-II is planned for 6000 MW. Barmer-II PS shall be closed for further grant of connectivity excluding enhancements. Subsequent applications received in Fatehgarh-Barmer complex shall be considered for grant at Barmer-III PS.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
7.	2200000955	Acme Solar Holdings Private Limited	Jalore distt., Rajasthan	21.06.2024	Generator (Solar)	Land BG Route	500	31.03.2027	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s Acme Solar Holdings Private Limited had applied for connectivity of 500 MW at Jalore PS. M/s ACME vide mail dated 25.07.2024 informed their decision to withdraw the present application. Accordingly, the above application shall be closed as per GNA Regulations.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
8.	2200000946	HR Saraswati Energy Private Limited	Sanchore distt., Rajasthan	22.06.2024	Generator (Solar)	Land BG Route	300	30.06.2026	Sanchore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s HR Saraswati Energy Private Limited has applied for connectivity of 300 MW at Sanchore PS. Accordingly, it is proposed to grant connectivity at Sanchore PS at 220 kV through 1 no. of 220 kV line bay. Applicant may confirm the 220 kV bay scope at Sanchore PS end and the tower configuration. It may be noted that the transmission system for evacuation of power from Sanchore through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting.										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
The detailed transmission system shall be informed upon finalization and approval of the scheme. M/s HR Saraswati Energy Private Limited has requested Start Date of Connectivity under GNA from 30.06.2026. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of M/s HR Saraswati Energy Private Limited under GNA is as below: **Details of Transmission system for Connectivity under GNA:** **A. Associated Transmission System (ATS): NIL** **B. Transmission System under applicant scope** (i). HR Saraswati Energy Private Limited Solar Power Project – Sanchore PS 220 kV S/c line (Suitable to carry minimum 300 MW at nominal voltage) **C. Transmission system for Connectivity under GNA:** As per Annexure-XI **Start Date of Connectivity under GNA: 30.06.2030(Interim).** Final date shall be confirmed upon award of the system										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
9.	2200000973 (Enhancement)	NTPC Renewable Energy Limited	Jaisalmer distt., Rajasthan	24.06.2024	Generator (Solar)	Land Route	100	31.03.2027	Fatehgarh-IV PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW
M/s NTPC Renewable Energy Limited has applied for enhancement of connectivity for 100 MW at Fatehgarh-IV PS. As informed earlier, considering the enhancement margin of 100 MW available in already allocated 220 kV bays at Barmer-II PS to M/s NTPC, it is proposed to grant connectivity of 100 MW to M/s NTPC Renewable at Barmer-II PS at 220 kV level through same 220 kV D/c line. It may be noted that the transmission system for evacuation of power from Barmer-II PS is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme. M/s NTPC Renewable Energy Limited has requested Start Date of Connectivity under GNA from 31.03.2027. However, considering the same and expected commissioning date of transmission system (i.e. 31.12.2029), the start date of Connectivity under GNA shall be 31.12.2029 (interim). Transmission system for connectivity of M/s NTPC Renewable Energy Limited under GNA is as below:										

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

(i). Common Pooling station for NTPC Renewable Energy Limited Solar Power Projects (App. No. 2200000564(200 MW), 2200000567(300MW) & 2200000973(100 MW) – Barmer-II PS 220 kV D/c line (suitable to carry minimum 300 MW per circuit at nominal voltage)

C. Transmission system for Connectivity under GNA: As per Annexure-I

Start Date of Connectivity under GNA: 31.12.2029(Interim). Final date shall be confirmed upon award of the system

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
10.	2200001006	Sprng Vaayu Urja Private Limited	Jalore distt., Rajasthan	29.06.2024	Renewable Power Park developer (Solar)	Land BG Route	600	31.12.2029	Jalore PS	• Conn BG1: Rs. 50 Lakh • Conn BG2: As per bay scope • Conn BG3: Rs. 2 lakh/MW

M/s Sprng Vaayu Urja Private Limited has applied for connectivity of 600 MW at Jalore PS. Accordingly, it is proposed to grant connectivity at Jalore PS at 220 kV through D/c line. Applicant may confirm the 220 kV bay scope at Jalore PS end and the tower configuration.

It may be noted that the transmission system for evacuation of power from Jalore through Sirohi(HVDC) is presently under discussion. The scheme is currently tentative, which shall be finalized in a separate joint study meeting among CEA, CTUIL, Grid India & Stakeholders followed by the subsequent CMETS meeting. The detailed transmission system shall be informed upon finalization and approval of the scheme.

M/s Sprng Vaayu Urja Private Limited has requested Start Date of Connectivity under GNA from 31.12.2029. However, considering the same and expected commissioning date of transmission system (i.e. 30.06.2030), the start date of Connectivity under GNA shall be 30.06.2030 (interim). Transmission system for connectivity of M/s Sprng Vaayu Urja Private Limited under GNA is as below:

Details of Transmission system for Connectivity under GNA:

A. Associated Transmission System (ATS): NIL

B. Transmission System under applicant scope

Sl. No.	Application ID	Applicant	Project Location	Submission Date	Nature of Applicant	Criterion for applying	Connectivity Quantum (MW)	Start Date of Connectivity (As per Application)	Connectivity Location (As per Application)	Conn BGs requirement
(i). Sprng Vaayu Urja Private Limited Solar Power Projects – Jalore PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage) **C. <u>Transmission system for Connectivity under GNA:</u>** As per Annexure-X **Start Date of Connectivity under GNA: 30.06.2030(Interim).** Final date shall be confirmed upon award of the system										

B. <u>Network Expansion Scheme</u>

B.1 Requirement of additional 500 MVA (4th), 400/220kV ICT at Samba (PG) Substation

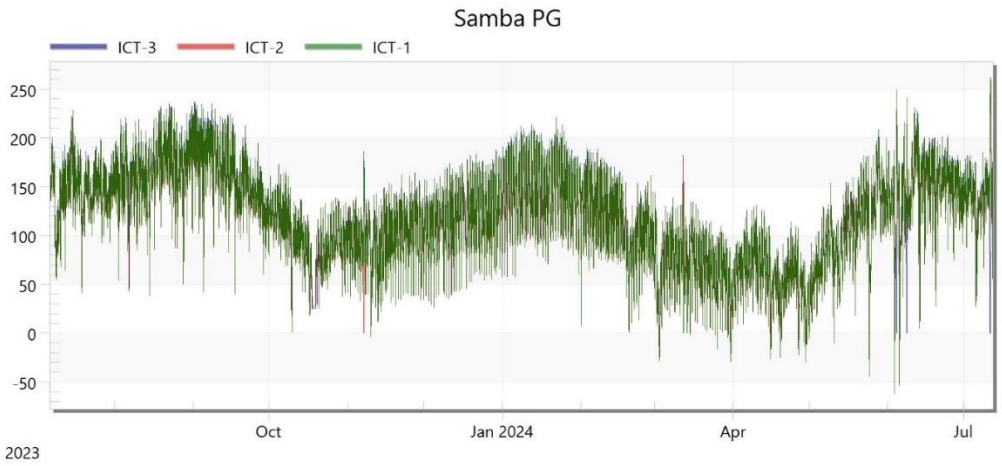
In the 220th OCC meeting held on 19.06.24, Requirement of additional 500 MVA, 400/220kV ICT at Samba (PG) Substation to meet increasing load demand of Jammu city was discussed. In the meeting, NRPC representative apprised forum that JKPTCL has informed that presently ICT capacity at 400/220kV Samba substation is 945 MVA (3x315 MVA). Peak loading observed at 400/220kV ICTs at Samba substation is 720 MVA (3x240 MVA). Further in the OCC meeting, JKPTCL has intimated that following new load is expected :

- 364 MW industrial load in New 220/66kV substation Kathua
- 120 MW Load expected in case tripping of 220kV Jammu - Salal

In the meeting, it was decided that JKPTCL may approach CTU along with details regarding the timeframe the downstream network is expected

Further, JKPTCL vide their letter dated 02.07.24 to CEA (**Copy of letter is enclosed in Annexure-A**) informed that with the announcement of Industrial Policy in the UT of J&K, many Industrialists have shown interest in setting up Industrial Units in Jammu and Kashmir. Industrial Estate Bhagthaii is one of the estates to be developed under this Policy. For this, requirement of 320MVA, 220/66 KV, Grid Sub-Station along with its 220kV D/c interconnection to Samba (PG) & LILO of existing 220KV Sarna-Hiranagar Transmission Line at Bhagthali with the commissioning target of 18 Months is suggested to meet the load requirement of 226.29MW at Bhagthali and 138.5 MW at existing GSS Ghatti Kathua (augmented from 160 MVA to 320MVA).

Grid India vide mail 17.07.24 stated that in above proposal, there is a plan to draw 500MW load from Samba (PG) S/s. Last one year ICT loading at Samba (3x315 MVA) is as under :



NRLDC also informed in the mail that from the loading, it is observed that maximum load is approx. 235MW each on 315 MVA ICTs with sensitivity of approx. 28.5% (302MW) on other two ICTs for n-1 contingency. However, while availing the shutdown of 315MVA ICT-3 on 11-07-2024, sensitivity was observed as 50%. Grid India also informed on JKPTCL's proposal that Cumulative maximum loading of approx. 700MW on 945MVA ICTs shows that augmentation of ICT is required to allow 500MVA load to be drawn by Jammu and Kashmir.

CTU also analysed the loading pattern of Samba ICTs and its loading in planning studies w.r.t the JKPTCL proposal. From the loading pattern it is envisaged that ICTs loading in present timeframe are very close to N-1 limits. Further in CTU planning file for 2026-27 timeframe, ICT loadings are higher (300 MW in N-1 Contingency without considering additional load of Kathua/ Bhagthali).

In view of above, augmentation of ICT is required at Samba (PG) Substation to meet the N-1 compliance. This would also cater the additional load at (Kathua/ Bhagthali) as informed by JKPTCL. JKPTCL may update the status and timeframe of 220kV Bhagthali S/s and associated transmission system and envisaged load at Bhagthali/Kathua complex as well as acceptance of proposal of augmentation of ICT at Samba (PG) S/s.

POWERGRID vide mail dated 28.10.2021 confirmed space availability for Augmentation of 400/220kV transformer (4th, 500MVA) along with transformer bays at 400/220kV Samba S/s.

In view of above deliberations, following ICT augmentation scheme is proposed in ISTS:

- Augmentation of 400/220 kV ,1x500 MVA (4th) ICT at Samba (PG) S/s along with transformer bays with 18 months commissioning schedule

B.2 Augmentation of 1x500 MVA (4th) ICT at 400/220 kV Hissar (PG) substation

In 74th Northern Regional Power Committee (NRPC) meeting, held on 29.06.2024, NRLDC agenda for N-1 non-compliance in real-time at 400/220kV Hisar ICTs was deliberated and it was decided that capacity augmentation may be planned at Hisar (PG) to meet the N-1 compliance issue.

At present, 400/220kV Hisar (PG) Substation have 3x315 MVA ICTs thus makes total transformation capacity of 945 MVA. From the loading pattern of Hisar ICTs (3x315 MVA), it is observed that maximum loading on 400/220 kV ICTs is about 965 MW (ICT-1-333MW, ICT-2-333 & ICT-3-297) in past one year. From the analysis, it emerged that peak loading of ICTs are breaching N-1 limit (about 770 MW) in Summer season (May'24-Jul'24) for sufficient duration of time. The loading pattern of Hisar ICTs for past one year is as below fig.

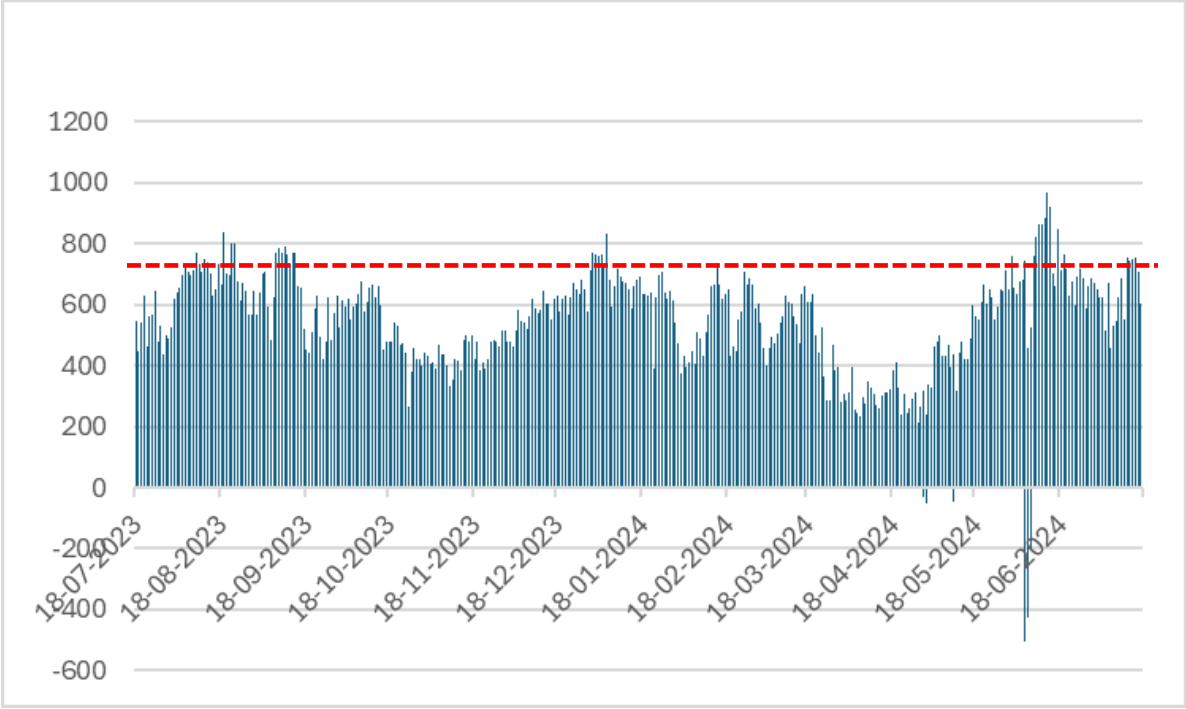


Fig : Loading of Hisar ICTs of Past one year (Source: Grid-India)

POWERGRID vide mail dated 10.07.2024 confirmed space availability for Augmentation of 400/220kV transformer along with transformer bays at 400/220kV Hisar (PG) S/s. HVPNL may confirm on proposal for requirement of augmentation of Hissar (PG) ICT.

In view of above deliberations, following ICT augmentation scheme is proposed in ISTS:

- Augmentation of 400/220 kV ,1x500 MVA (4th) ICT at Hissar (PG) S/s along with transformer bays with 18 months commissioning schedule

Agenda may be deliberated

Annexure-I

Transmission system for Connectivity under GNA at Barmer-II PS(Tentative)

A. For connectivity at 220kV or 400kV level of Barmer-II PS

1. Establishment of 400/220kV Pooling Station at suitable location near Barmer (Barmer-II PS) along with 2x125 MVAr bus reactor
2. LILO of both ckts of 400kV Fatehgarh-IV PS – Barmer-I PS at Barmer-II PS
3. Barmer-II PS- Barmer-I PS 400kV D/c line (Quad)(20km)
4. Establishment of 6000 MW, ± 800 kV Barmer-II (HVDC) terminal station (4x1500 MW) at a suitable location near Barmer-II substation
5. Establishment of 6000 MW, ± 800 kV South Kalamb S/s (HVDC) terminal station (4x1500 MW) at a suitable location near South of Kalamb (WR)
6. Establishment 2x1500 MVA, 765/400kV Substation near South of Kalamb with 2x330 MVAR, 765 kV bus reactor and 2x125 MVAR, 420 kV bus reactor
7. LILO of Pune-III – Boisar-II 765kV D/c line at South Kalamb with associated bays at South Kalamb S/s
8. ±800 kV HVDC line between Barmer-II (HVDC) & South Kalamb (HVDC) (with Dedicated Metallic Return)
9. 2x[+]300/(-)150MVAr Synchronous condenser at 220kV level of Barmer-II PS

B. Additional system for connectivity at 220kV level only of Barmer-II PS

1. 400/220kV, 6x500 MVA ICTs at Barmer-II PS

C. Additional system for connectivity at 220kV level only of Barmer-II PS (for application no. 2200000778,856 &973)

1. 400/220kV, 2x500 MVA ICT(7^{th} & 8^{th}) at Barmer-II PS

Annexure-II

Transmission system for Connectivity under GNA at Bhadla-IV PS(Tentative)

For connectivity at 220kV or 400kV level of Bhadla-IV PS

1. Establishment of 765/400kV, 4x1500 MVA pooling station at suitable location near Bhadla (Bhadla-IV PS) along with 2x125 MVAr & 2x240 MVAr bus reactor along with 2x125 MVAr & 2x240 MVAr bus reactor
2. Bhadla-IV PS – Bhadla-III PS 400kV D/c line (Quad)
3. 765kV Bhadla-IV PS – Bikaner-V PS D/c line
4. Establishment of 6000 MW, ± 800 kV Bhadla-IV (HVDC) terminal station (4x1500 MW) at suitable location near Bhadla
5. Establishment of 6000 MW, ±800 kV terminal station (4x1500 MW) at suitable location in WR/ER
6. ±800 kV HVDC line between Bhadla-IV (HVDC) & Suitable location in WR/ER (with Dedicated Metallic Return)
7. Establishment of 765/400kV, 2x1500 MVA S/s substation station at Suitable location in WR/ER along with 2x125 MVAr & 2x240 MVAr bus reactor
8. Associated transmission system in WR/ER for onwards dispersal of power

Additional system for connectivity at 220kV level only of Bhadla-IV PS

1. 400/220kV, 4x500 MVA ICTs at Bhadla-IV PS

Annexure-III

Transmission system for Connectivity under GNA at Bikaner PS(50 MW at 400 kV in sharing)

1. Augmentation of 1x1500 MVA (4th) 765/400kV ICT at Bikaner (PG)
2. Augmentation of 2x1500 MVA (5th & 6th)765/400 kV ICTs at Bikaner-III Pooling Station
3. LILO of both ckts of 400 kV Bikaner(PG)-Bikaner-II D/c line (Quad) at Bikaner-III PS
4. Bikaner-II PS – Bikaner-III PS 400 kV D/c line (Quad)
5. Bikaner-III - Neemrana-II 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at each end
6. Augmentation of 2x1500 MVA (3rd & 4th),765/400 kV ICTs at Neemrana-II S/s
7. Neemrana-II -Kotputli 400 kV D/c line (Quad)
8. LILO of both ckts of 400 kV Gurgaon (PG) - Sohna Road (GPTL) D/c line (Quad) at Neemrana-II S/s
9. Bikaner-III - Neemrana-II 765 kV D/c line (2nd) along with 330 MVAr switchable line reactor for each circuit at each end
10. Neemrana-II- Bareilly (PG) 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at each end
11. Augmentation by 400/220 kV, 1x500 MVA ICT (3rd) at Kotputli (PG)
12. 400 kV Bareilly(765/400kV) – Bareilly(PG) D/c line (Quad) (2nd)
13. Augmentation with 1x1500 MVA, 765/400 kV ICT at Bareilly (765/400kV) S/s (3rd)

Additional Transmission system for Inter-regional power transfer:

1) Establishment of 765 kV Mandsaur Pooling Station along with 2x330 MVAR (765 kV) Bus Reactors

2) Beawar- Mandsaur PS 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at each end

3a) Mandsaur PS – Indore(PG) 765 kV D/c Line along with 1x330 MVAR switchable line reactor on each ckt at Mandsaur end of Mandsaur PS – Indore(PG) 765 kV D/c Line

OR

3b) Establishment of 765kV Kurawar S/s with 2x330 MVAr 765 kV bus reactor

3c) Mandsaur – Kurawar 765 kV D/c line along with 240 MVAr switchable line reactors on each ckt at both ends of Mandsaur – Kurawar 765 kV D/c line

3d) LILO of Indore – Bhopal 765 kV S/c line at Kurawar

4) Sirohi – Mandsaur PS 765KV D/c line along with 240 MVAr switchable line reactor at Sirohi S/s end 330MVAr switchable line reactor at Mandsaur PS end for each circuit of Sirohi – Mandsaur PS 765KV D/c line

5) Mandsaur PS – Khandwa (New) 765kV D/c line along with 240MVAr switchable line reactor for each circuit at each end of Mandsaur PS – Khandwa (New) 765kV D/c line

Annexure-IV

Transmission system for Connectivity under GNA at Bikaner-V PS(Tentative)

For connectivity at 220kV or 400kV level of Bikaner-V PS

1. Establishment of 765/400kV, 4x1500 MVA pooling station at suitable location near Bikaner (Bikaner-V PS) along with 2x125 MVAr & 2x240 MVAr bus reactor
2. LILO of both ckts of 400kV Bikaner-II PS- Khetri D/c line at Bikaner-V PS
3. 765kV Bhadla-IV PS – Bikaner-V PS D/c line
4. Establishment of 6000 MW, ± 800 kV Bikaner-V (HVDC) terminal station (4x1500 MW) at suitable location near Bikaner
5. Establishment of 6000 MW, ±800 kV Begunia (HVDC) terminal station (4x1500 MW) at Begunia (Distt. Khordha), Orissa (ER)
6. ±800 kV HVDC line between Bikaner-V (HVDC) & Begunia (HVDC) (with Dedicated Metallic Return)
7. Establishment of 765/400kV, 5x1500 MVA S/s substation station at Begunia along with 2x125 MVAr & 2x240 MVAr bus reactor
8. Begunia – Paradeep (ISTS) 765kV D/c line along with associated bays at both ends
9. Begunia – Gopalpur (ISTS) 765kV D/c line along with associated bays at both ends along with 240MVAr switchable line reactor for each circuit at Begunia end of Begunia –Gopalpur (ISTS) 765kV D/c line
10. Begunia – Khuntuni (OPTCL) 765kV D/c line

Additional system for connectvity at 220kV level only of Bikaner-V PS

1. 400/220kV, 5x500 MVA ICTs at Bikaner-V PS

Annexure-V

Transmission system for Connectivity under GNA at Ramgarh PS (Upto 2850 MW):

For connectivity at 220kV or 400kV level of Ramgarh PS

1. Augmentation of 3x1500 MVA (1st, 2nd & 3rd), 765/400kV ICTs at Ramgarh PS
2. Ramgarh PS – Bhadla-III PS 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at Ramgarh end
3. Augmentation of 2x1500 MVA (3rd & 4th), 765/400kV ICT at Bhadla-III
4. 765 kV Bhadla-III – Bikaner-III D/c line along with 240 MVAr switchable line reactor for each circuit at Bhadla-III end
5. Bhadla-III – Sikar-II 765 kV D/c line along with 330 MVAr Switchable line reactor for each circuit at each end of Bhadla-III – Sikar-II 765 kV D/c line
6. Fatehgarh-III – Bhadla-III 400kV D/c line(Quad) along with 63 MVAr Switchable line reactor for each circuit at both ends of Fatehgarh-III–Bhadla-III 400kV D/c line
7. Establishment of 6000 MW, ± 800 kV Bhadla (HVDC) [LCC] terminal station (4x1500 MW) at a suitable location near Bhadla-III substation
8. Establishment of 6000 MW, ±800 kV Fatehpur (HVDC) [LCC] terminal station (4x1500 MW) at suitable location near Fatehpur (UP)
9. Bhadla-III – Bhadla (HVDC) 400 kV 2xD/c line(Quad) along with the line bays at both substations
10. ±800 kV HVDC line between Bhadla (HVDC) & Fatehpur (HVDC) (with Dedicated Metallic Return)
11. Augmentation of 5x1500 MVA (1st to 5th), 765/400 kV ICTs at Fatehpur (HVDC) along with 2x330 MVAr (765kV) bus reactor
12. LILO of both ckts of 765 kV Varanasi – Kanpur (GIS) D/c line at Fatehpur
13. Augmentation by 1x1500 MVA ICT at 765/400kV Kanpur (GIS) substation
14. 2x[+]300/(-)150MVAr Synchronous condenser at 400kV level of Ramgarh PS

Additional system for connectivity at 220kV level only of Ramgarh PS

1. 400/220kV, 2x500 MVA ICTs (2nd & 3rd) at Ramgarh PS

Annexure-VI

Transmission system for Connectivity under GNA at Ramgarh- PS: (Beyond 2850 MW upto 4000 MW) (Tentative)

1. Establishment of 2x1500 MVA, 765/400 kV Ramgarh-II Pooling Station at a suitable location near Ramgarh along with 2x125 MVAr & 2x240 MVAr bus reactor
2. Ramgarh-II PS – Bhadla-IV PS 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at Ramgarh-II PS end
3. Ramgarh PS – Ramgarh-II PS 400 kV D/c line(Quad)
4. LILO of both ckts of 765kV Ramgarh PS – Bhadla-III PS D/c line at Ramgarh-II PS along with 240 MVAr switchable line reactor for each circuit at Ramgarh-II PS end
5. 2x[+]300/(-)150MVAr Synchronous condenser at 400kV level of Ramgarh PS
6. Establishment of 6000 MW, Ramgarh(HVDC) terminal station (4x1500 MW) at a suitable location near Ramgarh-II substation
7. Establishment of 6000 MW, HVDC terminal station (4x1500 MW) at suitable location in WR/SR/ER
8. HVDC line between Ramgarh (HVDC) & HVDC terminal station in WR/SR/ER (with Dedicated Metallic Return)
9. Associated EHVAC system strengthening in WR/SR/ER

Annexure-VII

Transmission system for Connectivity under GNA at Ramgarh-II PS: (Tentative)

1. Establishment of 2x1500 MVA, 765/400 kV Ramgarh-II Pooling Station at a suitable location near Ramgarh along with 2x125 MVAr & 2x240 MVAr bus reactor
2. Ramgarh-II PS – Bhadla-IV PS 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at Ramgarh-II PS end
3. Ramgarh PS – Ramgarh-II PS 400 kV D/c line (Quad)
4. LILO of both ckts of 765kV Ramgarh PS – Bhadla-III PS D/c line at Ramgarh-II PS along with 240 MVAr switchable line reactor for each circuit at Ramgarh-II PS end
5. Establishment of 6000 MW, Ramgarh(HVDC) terminal station (4x1500 MW) at a suitable location near Ramgarh-II substation
6. Establishment of 6000 MW, HVDC terminal station (4x1500 MW) at suitable location in WR/SR/ER
7. HVDC line between Ramgarh (HVDC) & HVDC terminal station in WR/SR/ER (with Dedicated Metallic Return)
8. Associated EHVAC system strengthening in WR/SR/ER
9. 2x[+]300/(-)150MVAr Synchronous condenser at 400kV level of Ramgarh-II PS

Additional system for connectivity at 220kV level only of Ramgarh-II PS

1. 400/220kV, 4x500 MVA ICTs at Ramgarh-II PS

Annexure-VIII

Transmission system for Connectivity under GNA at Sirohi PS:

1. Establishment of 2x1500 MVA, 765/400 kV Substation at suitable location near Sirohi along with 2x240 MVAr (765 kV) & 2x125 MVAr (400 kV) Bus Reactor
2. Sirohi PS-Chittorgarh (PG) 400 kV D/c line along with 80 MVAr switchable line reactor for each circuit at Sirohi PS end (Quad)
3. Establishment of, 765 kV Substation at suitable location near Rishabdeo (Distt. Udaipur) along with 2x240 MVAr (765 kV) Bus Reactor
4. Sirohi PS- Rishabdeo 765 kV D/c line along with 330 MVAr switchable line reactor for each circuit at Sirohi end
5. Rishabdeo - Mandsaur PS 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at Rishabdeo end
6. LILO of one circuit of 765 kV Chittorgarh-Banaskanta D/c line at Rishabdeo S/s
7. Establishment of 765 kV Mandsaur PS along with 2x330 MVAR (765 kV) Bus Reactors
8. Mandsaur PS–Indore(PG) 765 kV D/c Line along with 1x330 MVAR switchable line reactor on each ckt at Mandsaur end of Mandsaur PS – Indore(PG) 765 kV D/c Line
9. Establishment of 765/400 kV (2x1500 MVA Kurawar S/s with 2x330 MVAr 765 kV bus reactor and 1x125 MVAr 420 kV bus reactor
10. Mandsaur – Kurawar 765 kV D/c line along with 240 MVAr switchable line reactors on each ckt at both ends of Mandsaur – Kurawar 765 kV D/c line
11. Kurawar – Ashtha 400 kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line
12. LILO of Indore – Bhopal 765 kV S/c line at Kurawar
13. LILO of one circuit of Indore – Itarsi 400 kV D/c line at Astha
14. Shujalpur – Kurawar 400 kV D/c (Quad ACSR/AAAC/AL59 moose equivalent) line
15. Sirohi – Mandsaur PS 765KV D/c line along with 240 MVAr switchable line reactor at Sirohi S/s end 330MVAr switchable line reactor at Mandsaur PS end for each circuit of Sirohi – Mandsaur PS 765KV D/c line
16. Mandsaur PS – Khandwa (New) 765kV D/c line along with 240MVAr switchable line reactor for each circuit at each end of Mandsaur PS – Khandwa (New) 765kV D/c line

Additional system for connectivity at 220kV level only of Sirohi PS

1. Augmentation of 5x500 MVA, 400/220kV ICTs at Sirohi PS

Annexure-IX

Transmission system for Connectivity under GNA at Merta-II PS:

1. Establishment of 765/400 kV, 2x1500 MVA & 2x500 MVA, 400/220 kV S/s at suitable location near Merta (Merta-II Substation) along with 2x125 MVAr & 2x240 MVAr bus reactor at Merta-II S/s
2. Augmentation of 3x500MVA, 400/220kV ICTs at Merta-II S/s along with associated transformer bays
3. Merta-II – Beawar 400 kV D/c line (Quad)
4. Merta-II – Dausa 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at each end of Merta-II – Dausa 765 kV D/c line line
5. Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Ghiror (Distt. Mainpuri) along with 2x125 MVAr & 2x240 MVAr bus reactor at Ghiror S/s (UP)
6. Dausa - Ghiror 765 kV D/c line along with 240 MVAr switchable line reactor for each circuit at each end of Dausa - Ghiror 765 kV D/c line
7. LILO of both ckt of 765 kV Aligarh (PG) – Orai (PG) D/c line at Ghiror S/s along with 240 MVAr switchable line reactor for each circuit at Ghiror S/s end of 765 kV Ghiror -Orai D/c line
8. LILO of one ckt of 765kV Agra (PG) – Fatehpur (PG) 765kV D/c line at Ghiror along with 240 MVAr switchable line reactor at Ghiror S/s end of 765 kV Ghiror – Fatehpur line
9. 400kV Ghiror-Firozabad (UPPTCL) D/c line (Quad)
10. Sirohi – Mandsaur PS 765KV D/c line along with 240 MVAr switchable line reactor at Sirohi S/s end 330MVAr switchable line reactor at Mandsaur PS end for each circuit of Sirohi – Mandsaur PS 765KV D/c line
11. Mandsaur PS – Khandwa (New) 765kV D/c line along with 240MVAr switchable line reactor for each circuit at each end of Mandsaur PS – Khandwa (New) 765kV D/c line

Annexure-X

Transmission system for Connectivity under GNA at Jalore PS:

1. Establishment of 400 kV Sirohi(HVDC) PS at a suitable location near Sirohi
2. Establishment of 400/220 kV Jalore PS at a suitable location near Jalore
3. Sirohi(HVDC) PS – Sirohi PS 400 kV D/c line(Quad)
4. Sirohi(HVDC) PS – Bhinmal(PG) 400 kV D/c line(Quad)
5. Jalore PS – Merta-II PS 400 kV D/c line(Quad)
6. Jalore PS – Sirohi(HVDC) PS 400 kV 2xD/c line(Quad)
7. Establishment of 6000 MW, Sirohi(HVDC) terminal station (4x1500 MW) at a suitable location near Sirohi(HVDC) substation
8. Establishment of 6000 MW, HVDC terminal station (4x1500 MW) at suitable location in WR/SR/ER
9. HVDC line between Sirohi (HVDC) & HVDC terminal station in WR/SR/ER (with Dedicated Metallic Return)
10. Associated EHVAC system strengthening in WR/SR/ER

Additional system for connectivity at 220kV level only of Jalore PS

1. 5x500 MVA, 400/220kV ICTs at Jalore PS

Annexure-XI

Transmission system for Connectivity under GNA at Sanchore PS:

1. Establishment of 400 kV Sirohi(HVDC) PS at a suitable location near Sirohi
2. Establishment of 2x500 MVA, 400/220 kV Sanchore PS at a suitable location near Sanchore
3. Sirohi(HVDC) PS – Sirohi PS 400 kV D/c line(Quad)
4. Sirohi(HVDC) PS – Bhinmal(PG) 400 kV D/c line(Quad)
5. Sanchore PS – Sirohi (HVDC) PS 400 kV D/c line(Quad)
6. Establishment of 6000 MW, Sirohi(HVDC) terminal station (4x1500 MW) at a suitable location near Sirohi(HVDC) PS
7. Establishment of 6000 MW, HVDC terminal station (4x1500 MW) at suitable location in WR/SR/ER
8. HVDC line between Sirohi (HVDC) & HVDC terminal station in WR/SR/ER (with Dedicated Metallic Return)
9. Associated EHVAC system strengthening in WR/SR/ER

Additional system for connectivity at 220kV level only of Sanchore PS

1. 2x500 MVA, 400/220kV ICTs at Sanchore PS

Annexure-XII

Transmission system for Connectivity under GNA at Barmer-III PS(Tentative)

For connectivity at 220kV or 400kV level of Barmer-III PS

1. Establishment of 400/220kV 5x500MVA Pooling Station at suitable location near Barmer (Barmer-III PS) along with 2x125 MVAr bus reactor
2. LILO of both ckts of 400kV Barmer-I PS – Barmer-II PS D/c line (Quad) at Barmer-III PS
3. Establishment of 6000 MW, Barmer-III(HVDC) terminal station (4x1500 MW) at a suitable location near Barmer-III PS
4. Establishment of 6000 MW, HVDC terminal station (4x1500 MW) at suitable location in WR/SR/ER
5. HVDC line between Barmer-III (HVDC) & HVDC terminal station in WR/SR/ER (with Dedicated Metallic Return)
6. Associated EHVAC system strengthening in WR/SR/ER
7. 2x[+]300/(-)150MVAr Synchronous condenser at 400kV level of Barmer-III PS

Annexure-A

OFFICE OF THE CHIEF ENGINEER (TRANSMISSION), JKPTCL, JAMMU
220 KV Grid Station Complex, Narwal Bala, Gladni, Jammu
Email: sojpdd@gmail.com Tel / Fax:-0191- 2476172

The Director,
PSPA-I, CEA
New Delhi.

No: - CE/Trans./J/JKPTCL/T/ 3170-72 **Date:-** 02**-07-2024**

Subject: Construction of 320MVA, 220/66KV, Grid sub-station, Bhagthali, Kathua.

Sir,

Apropos to the captioned subject regarding construction of new 320MVA, 220/66KV, Grid sub-station, Bhagthali, Kathua for the upcoming industries in the Kathua District. The issue was deliberated in 220th OCC meeting held on 19-06-2024 where under JKPTCL was advised to take up the matter with CEA for further deliberations since matter is intrastate transmission system. As such, kindly find enclosed Agenda note regarding construction of new 320MVA, 220/66KV, Grid sub-station, Bhagthali, Kathua and proposal from PGCIL for providing of power to the upcoming Grid sub-station from 400/220/33KV, Grid station Samba for further deliberations and approvals thereof.

Encl. 03 Leaves

Yours Faithfully,

Gupta 2/7/24

(***Er. Rajan Gupta***)
Chief Engineer (Transmission),
JKPTCL, Jammu.

Copy to the :

1) The Managing Director, JKPTCL, Jammu for information.
2) Superintending Engineer, O&M, Circle-I, JKPTCL Jammu for information.

Agenda Note

Construction of 320MVA, 220/66 KV, Grid Sub-Station, Bhagthali, Kathua

With the announcement of Industrial Policy in the UT of J&K, many Industrialists have shown interest in setting up Industrial Units in Jammu and Kashmir. Industrial Estate Bhagthali is one of the Estates to be developed under this Policy. For this, requirement of 320MVA (07x 53.33MVA single phase units) , 220/66 KV, Grid Sub-Station along with feeding 220 KV transmission lines to meet the load requirement is proposed.

Name of the Sub-Station:.

ICT Capacity: 320MVA (06 No's x 53.33MVA + 01 No. Spare 53.33MVA)

New Load Expected:

- 226.29 MW Industrial Load plus provision for 10-20% for future growth.

In view of the above and keeping in view future industrial growth at Bhagthali and adjoining areas, installation of 320MVA (07 x 53.33MVA single phase units) , 220/66 KV, Grid Sub-Station along with 45Kms (approx.) feeding 220 KV D/C Transmission line from Samba (PG) alongwith LILO of existing 220KV Sarna-Hiranagar Transmission Line at Bhagthali (to meet N-I compliance) with the commissioning target of 18 Months is suggested.

Expected Cost for 320MVA (06 No's x 53.33MVA + 01 No. Spare 53.33MVA) along with 45Kms (approx.) feeding 220 KV D/C Transmission line from Samba (PG) along with LILO of existing 220KV Sarna-Hiranagar Transmission Line (to meet N-I compliance)= ***Rs. 254 Crs + Rs. 58 Crs*** for creation of the upstream network to be done by M/s Powergrid Corporation of India to meet load requirement of ***226.29MW at Bhagthali*** and ***138.5 MW at existing GSS Ghatti, Kathua*** which is also to be augmented from 160 MVA to 320MVA.

Forum may please discuss.

PGCiL

Agenda for 220th OCC(Agenda by JKPTCL)

Requirement of additional 500MVA, 400/220/33KV ICT at Samba (PG) Substation to meet increasing load demand of Jammu city:

Name of Substation: 400/220/33KV Substation Samba

ICT Capacity: 945MVA (315*3)

Peak Loading: 720MVA (240*3)

New Load Expected:

- 364 MW industrial load in New 220/66KV Substation Kathua
- 120MW Load expected in case tripping of of 220KV Jammu Salal

* N-1 Contingency: As per CEA manual for transmission planning criteria 2023, "All the equipment in the transmission system shall remain within their normal thermal and voltage ratings after outage / loss of any one of the following elements (called single contingency or 'N-1'), but without load shedding / rescheduling of generation"

In view of above and keeping in view future demand, Installation of 01 No 400/220/33KV, 500MVA ICT at Samba with commissioning target of 18 Months is suggested

Expected cost for 01 No 500MVA ICT and 02 No Bays (01 No 400KV and 01 No 220KV) & 02 No 220KV Bays=58 Crore

- Construction of 220KV D/C Line from Samba(PG), Kathua(New S/S: Line cost to add

Forum may pl discuss.