



सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड

(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)

(भारत सरकार का उद्यम)

CENTRAL TRANSMISSION UTILITY OF INDIA LTD.

(A wholly owned subsidiary of Power Grid Corporation of India Limited)

(A Government of India Enterprise)

Ref: CTU/NR/01/Reallocation Meeting/3

Date: 30-12-2023

As per distribution list

Subject: Agenda for finalization of sharing of bays at Bikaner-III PS as well as for reallocation of connectivity from Bikaner-IV PS to Bikaner-III PS and Barmer-I PS to Fatehgarh-IV PS(Sec-II)

Dear Sir/Ma'am,

A Meeting for finalization of sharing of bays at Bikaner-III PS as well as for reallocation of connectivity from Bikaner-IV PS to Bikaner-III PS and Barmer-I PS to Fatehgarh-IV PS(Sec-II) in Northern Region is scheduled to be held on 2nd January, 2024(Tuesday).

Details in this regard are as below:

- Topic** : Finalization of sharing of bays at Bikaner-III PS as well as for reallocation of connectivity from Bikaner-IV PS to Bikaner-III PS and Barmer-I PS to Fatehgarh-IV PS(Sec-II) in Northern Region
- Date & Time** : 2nd January 2024(Tuesday), 03:30 PM
- Venue** : Ground Floor Conference Hall,
Power Grid Corporation of India Limited,
Plot No.2, Sector 29,
Gurugram, Haryana 122001

In this regard, please find enclosed the agenda of the meeting.

It is requested to attend or depute an authorized representative for the meeting and send participation confirmation through return mail.

Thanking you,

Yours faithfully,

(Kashish Bhambhani)
General Manager (CTU)

Distribution List:

<p>Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K.Puram, New Delhi-110 066</p>	<p>Member Secretary Northern Regional Power Committee 18A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi – 110 016</p>
<p>Director (Power System) Solar Energy Corporation of India Ltd. D-3, 1st Floor, A wing, Religare Building, District Centre, Saket, New Delhi-110017</p>	<p>Director (SO) Grid Controller of India Limited (erstwhile Power System Operation Corporation Ltd.) 9th Floor, IFCI Towers, 61, Nehru Place, New Delhi-110 016</p>
<p>Executive Director Northern Regional Load Despatch Centre 18-A, Qutab Institutional Area, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi– 110 016</p>	

Distribution List: Applicants/Grantees

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<p>Shri Tarunveer Singh Director Sunsure Solarpark Rj One Private Limited Sunsure Solarpark Fourteen Private Limited 1101A-1107, 11th Floor, BPTP Park Centra, Jal Vayu Vihar, Sector 30, Gurugram, Haryana 122001 Ph.: 8826798199, 9654495797, 7011136925, 9654495797 Email: tarunveer.singh@sunsure.in regulatory@sunsure.in tarun.rajput@sunsure.in</p>	<p>Shri Rajesh Sodhi Head Secretarial Acme Cleantech Solutions Private Limited Plot No. 152, Sector-44, Gurugram, Haryana 122002 Ph.: 9811633237, 8744060601 Email: rajesh.sodhi@acme.in yogesh@acme.in</p>
<p>Shri Vineet Pandey AGM Business Development Enren-I Energy Private Limited Sixth Floor, Unit No. 3,4 & 5, Fountainhead Tower-2, Viman Nagar, Phoenix City, Pune, Maharashtra- 411014 Ph.: 7709375143, 9223349273 Email: vineet.pandey@engie.com saurabh.gupta@engie.com</p>	<p>Shri Parish Gupta Director Saimaa Solar Private Limited 5th Floor, North Tower, M3M Tee Point, Sector-65 Golf Course Extension Road, Gurgaon, Haryana -122018 Ph.: 9871711445, 8826344338 Email: parish.gupta@ibvoqt.com ravinderkumar.rana@ibvoqt.com</p>
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Agenda for deliberation on sharing of bays at Fatehgarh-IV PS(Sec-II) & Bikaner-III PS as well as reallocation of connectivity from Bikaner-IV PS to Bikaner-III PS

In the 23rd & 25th CMETS NR meetings held on 29.08.2023 & 31.10.2023 respectively, in view of availability of margins in respective bays, connectivity to various entities were granted in sharing with other entities at Bikaner-III PS & Fatehgarh-IV PS(Sec-II). Subsequently, CTUIL has received requests from some applicants to review sharing of connectivity agreed among entities for various reasons. Based on the request, it was decided to discuss the matter in a separate meeting.

1) Bikaner-III PS

As part of Transmission system for Rajasthan REZ Ph-4 (Part-1), Bikaner-III PS is being established (Awarded on 27/12/23) for evacuation of 7.7 GW from Bikaner-II PS (3.7 GW) & Bikaner-III PS (4 GW). As per the above scheme, 5x500 MVA ICTs along with 5 no. of 220 kV line bays for RE applicants are being implemented at Bikaner-III PS. As on date, Connectivity of 1617 MW at 220 kV (incl. Renew Dinkar) and 2400 MW connectivity at 400 kV has been granted at Bikaner-III PS (4017 MW) as below:

S. No.	Name of Applicant	Connectivity Quantum (MW)	Bay allocated
Connectivity Granted at 400 kV			
1	MRS Build Vision Pvt. Ltd.	1000	1
2	Sunbreeze Renewable	1400	2
	Total(A)	2400	
Connectivity Granted at 220 kV			
1	TP Saurya	300	1
2a	Proteus Energy*	217	1
2b	Avaada RJBikaner	50	
2c	Sunsure Solarpark RJ One	50	
3	ACME Cleantech	300	1
4a	Juniper Cosmic*	150	1
4b	Renew Dinkar Urja	200	
5a	Sunsure Solarpark RJ One*	50+50+50+50	1
5b	Saimaa Solar	150	
	Total(B)	1617	
	Total Connectivity (A+B)	4017	

* Lead in case of sharing

In the 23rd CMETS NR meeting held on 29.08.2023, connectivity of M/s Avaada RJBikaner(50 MW) was agreed to be granted in sharing with M/s Proteus(217 MW) at Bikaner-III PS. Further, in the 25th CMETS meeting held on 31.10.2023, another application of 50 MW by M/s Sunsure was also granted in sharing with M/s Proteus on same bay(S. No. 2a ,2b, & 2c).

During 25th CMETS NR meeting and vide mail dated 30.10.2023, M/s Sunsure requested CTUIL to explore option to grant the connectivity of 5x50MW(including 50 MW being shared with M/s Proteus) at a single bay.

Further, M/s Avaada vide letter dated 01.11.2023 informed that they have submitted application for 600 MW at same site and location and expansion of the same project (50 MW at Bikaner-III). Therefore, M/s Avaada requested CTUIL that in case of margin constraint at Bikaner-III PS, total connectivity of 650 MW (including 50 MW being shared with M/s Proteus at Bikaner-III PS) may be granted together at Bikaner-IV PS.

Further, M/s Renew Dinkar Urja which had been granted connectivity of 200 MW in sharing with M/s Juniper Green Cosmic (150 MW), has informed vide letter dated 09.11.2023 that they

are not going ahead with the project and withdrew the connectivity of 200 MW for which application was also closed subsequently.

As per Avaada's request, 50 MW Connectivity may be considered along with the 600 MW application at Bikaner-IV PS for deliberations in next CMETS-NR meeting. However, it is to be noted that, in case of shifting of 50 MW connectivity to Bikaner-IV PS, transmission system for connectivity under GNA shall change for which M/s Avaada need to provide consent.

Considering the above request of Sunsura, Avaada (50 MW) and withdrawal by Renew Dinkar Urja (200 MW), the revised sharing of connectivity at 220 kV bays at Bikaner-III PS is proposed as below:

S. No.	Name of Applicant	Connectivity Quantum (MW)	Bay allocated	Margin in Bay (MW)
Connectivity Granted at 400 kV				
1	MRS Build Vision Pvt. Ltd.	1000	1	NIL
2	Sunbreeze Renewable	1400	2	NIL
	Total(A)	2400		
Connectivity Granted at 220 kV				
1	TP Saurya	300	1	NIL
2	Proteus Energy*	217	1	83
3	ACME Cleantech	300	1	NIL
4a	Juniper Cosmic*	150	1	NIL
4b	Saimaa Solar	150		
5	Sunsura Solarpark RJ One*	50+50+50+50+50	1	50
	Total(B)	1367		
	Total Connectivity (A+B)	3767		133

* Lead in case of sharing

Matter may be discussed.

A. Proposed Reallocation from Bikaner-IV to Bikaner-III PS

At Bikaner-III PS connectivity was granted upto 4 GW due to limitation of 765/400 kV ICT (6x1500 MVA) under N-1 contingency considering injection from Bikaner-II through 400 kV 2xD/c line. Accordingly, with total connectivity of 4017 MW at Bikaner-III PS, the Bikaner-III PS was closed for new grant of connectivity in 25th CMETS NR meeting. Subsequent applications received at Bikaner complex were granted at Bikaner-IV PS. Now, after withdrawal of 200 MW application by M/s Renew Dinkar Urja, the connectivity at 220 kV & total connectivity at Bikaner-III PS has been reduced to 1417 MW & 3817 MW respectively.

In the 25th CMETS meeting held on 31.10.2023, transmission system for evacuation of 3.6 GW from Bikaner-IV PS (Ph-4 Part-3) was discussed and agreed. The scheme was also approved in the 70th NRPC meeting held on 18.11.2023. The scheme is to be taken up for approval by NCT and MoP. In addition, Bikaner-IV PS (Ph-4 Part-3a) transmission scheme for evacuation of additional 2.4 GW capacity was also discussed in the joint study meeting held on 28/12/23.

With the above new transmission schemes at Bikaner-IV, it is observed that cumulative connectivity upto about 4600 MW may now be granted at Bikaner-III PS. However, such connectivity grant(beyond 4000 MW) shall be linked to Bikaner-IV transmission system. This would facilitate additional RE generation integration in Bikaner complex including Bikaner-III PS.

Considering request of Avaada (50 MW) and withdrawal by Renew Dinkar Urja (200 MW) as stated in Section (B) above, connectivity granted at Bikaner-III PS now remains 3767 MW (2400 MW at 400 kV & 1367 MW at 220 kV). Therefore, additional margins of 833 MW(4600-

3767) may be considered for shifting from Bikaner-IV PS to Bikaner-III PS based on applicant priority & willingness.

It may be noted that 5 no. of 500 MVA 400/220kV ICTs at Bikaner-III PS are being implemented. Considering margins availability and optimal utilization of ICTs & Dedicated transmission system, it will be preferred to allocate margin at 220kV level. Applicants as per the application priority shall be offered to shift their connectivity from Bikaner-IV PS to Bikaner-III PS.

List of applicants granted connectivity at Bikaner-IV PS as per the application priority is as below:

Sl. No.	Applicant Name	Application Number	Appl. Date	Conn. Quantum (MW)	Pooling Station, Voltage Level & Bay
1	NTPC Renewable Energy Limited	2200000179	02.08.2023	500	Bikaner-IV PS 400 kV Bay-1 No.
2	Deshraj Solar Energy Pvt. Ltd.	2200000184	11.08.2023	300	Bikaner-IV PS 220 kV Bay-1 No.
3	Solarcraft Power India 17 Pvt. Ltd.	2200000210	05.09.2023	300	Bikaner-IV PS 220 kV Bay-1 No
4	NTPC Renewable Energy Limited	2200000244	07.09.2023	150	Bikaner-IV PS 400 kV Bay- Sharing with S. No.1
5	First Energy Private Limited	2200000221	11.09.2023	100	Bikaner-IV PS 220 kV Bay-1 No.
6	Sunsure Solarpark Fourteen Pvt. Ltd.	2200000285	30.09.2023	300	Bikaner-IV PS 220 kV Bay-1 No.

Matter may be discussed.

2) Fatehgarh-IV PS(Sec-II)

In the 23rd CMETS NR meeting held on 29.08.2023, M/s Avaada Energy Pvt. Ltd. (50 MW) was granted connectivity at Fatehgarh-IV PS(Sec-II) in sharing with M/s Radiant Star Solar(200 MW) through 220 kV line bay. Therefore, only 50 MW margin was available at Fatehgarh-IV PS(Sec-II) on that bay. Subsequently, M/s Radiant applied for enhancement of connectivity of 100 MW at Fatehgarh-IV PS(Sec-II). However, in view of non-availability of 100 MW in Fatehgarh-IV (Sec-II), the connectivity of M/s Radiant(100 MW) was agreed to be granted at Barmer-I PS in the 25th CMETS NR meeting.

M/s Avaada vide letter dated 17.11.23 informed that they have submitted application for 250 MW at same site and location & expansion of the same project. Therefore, M/s Avaada requested CTU that, in case of margin constraint at Fatehgarh-IV PS, total connectivity of 300 MW (50+250 MW) may be granted together at Barmer-I PS.

In view of the above, as there is limitation at Fatehgarh-IV PS(Sec-II) due to 400/220 kV ICTs, it is proposed to review connectivity granted to M/s Avaada at Fatehgarh-IV PS(Sec-II), based on Avaada request for considering at Barmer-I PS in ensuing CMETS NR meeting through 220 kV for the combined capacity of 300 MW(50+250). The transmission system for Avaada (50 MW) shall also be revised and as per application priority based on CMETS discussion. M/s Avaada to reconfirm on above.

With the shifting of 50 MW connectivity of M/s Avaada from Fatehgarh-IV PS(Sec-II) to Barmer-I PS, about 100 MW of connectivity capacity (with margins of additional 50 MW) can be accommodated at Fatehgarh-IV PS(Sec-II) in 220 kV bay granted to M/s Radiant Star.

The list of applicants granted connectivity at Barmer-I PS as per application priority are below:

Sl. No.	Applicant Name	Application Number	Appl. Date	Connectivity Quantum(MW)
1	Teq Green Power XV Pvt. Ltd.	2200000153	11.07.2023	300
2	ACME Cleantech	2200000161	29.07.2023	400
3	Eden Renewable Cadet Pvt. Ltd.	2200000181	11.08.2023	300
4	Radiant Star Solar Park Pvt. Ltd.	2200000212	28.08.2023	100
5	Enren-I Energy Pvt. Ltd.	2200000286	30.09.2023	300

Matter may be discussed.

Note:

The above deliberation would be discussed/ratified in the ensuing CMETS NR meeting for connectivity.

Kindly note that in case of no participation in the meeting by applicant, it will be construed that the applicant is not willing for reallocation and therefore they will not be considered for the subject reallocation.

Further, it is advised to all applicants to take prior management approval regarding opting for reallocation during the meeting. The decision taken by the applicant in the meeting shall be considered as final and based on that the reallocation shall be finalized and no changes shall be allowed afterwards.