

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
CENTRAL TRANSMISSION UTILITY OF INDIA LIMITED
(Wholly Owned Subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: C/CTU/N/Conn & LTA

11th November, 2021

As per Distribution List

Sub: 51st Meeting of Northern Region Constituents regarding LTA and Connectivity applications in Northern Region – Minutes of Meeting

Dear Sir,

Please find enclosed the minutes of the 51st meeting of Northern Region Constituents regarding LTA and Connectivity applications in Northern region held on 28/10/2021 through virtual mode.

The minutes are also available at our website (www.powergrid.in >> CTU Open Access).

Thanking you,

Yours Faithfully,


(Kashish Bhambhani)
Senior DGM (CTU)

Distribution List:

Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K.Puram, New Delhi-110 066	Member Secretary Northern Regional Power Committee 18A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi – 110 016
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Distribution List: Connectivity/Long-term Access Applicants

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Minutes for 51st NR constituents meeting regarding Connectivity/LTA Applications in NR held on 28.10.2021

1.0 51st Meeting of Northern Region constituents regarding Connectivity/LTA Applications in NR was held on 28/10/2021 through video conference and the agenda was taken up for discussion. The List of participants is enclosed at **Annexure-A**.

2.0 Confirmation of Minutes of the 50th Northern Region Constituents meetings regarding Connectivity / LTA Applications.

The minutes of the 50th meeting of Northern Region constituents regarding Long Term Access and Connectivity applications held on 29/09/2021 were issued vide letter dated 22/10/2021. For grant of St-I & St-II connectivity to ABC RJ Land 01 Pvt. Ltd., voltage level of 1x1500MVA ICT at Fatehgarh-III PS may be included as 765/400kV ICT. The same has been included in the grant of intimations for the same. Accordingly, minutes were confirmed as circulated along with the above modification.

3.0 Modification in the line capacity of Kaza – Wangtoo 400 kV D/c line

It was deliberated that during the meeting by Himurja on 28/10/2021, availability of additional RE potential in Kinnaur area in proximity to Kaza was confirmed. Accordingly, considering RE potential in contiguous area of Kaza Complex as well as ROW severe limitations in Kaza-Wangtoo corridor, the line capacity of Kaza – Wangtoo 400 kV D/c line was reviewed during present meeting (51st) of Northern Region constituents regarding LTA & Connectivity applications in NR.

CEA also stated that due to additional RE potential as well as ROW limitations, it is always better to develop high capacity corridor in such complex terrain. Accordingly, it was agreed that 400kV Kaza-Wangtoo D/c corridor shall be developed as high capacity corridor (Twin HTLS) for grant of Stage-I Connectivity to SJVNL for Kaza Solar Park as well as Connectivity grant for Jhangi Thopan HEP (As connectivity was granted to Jhangi Thopan through LILO of Kaza 400 kV PS– Wangtoo (HPPTCL)). Same shall also be included in the respective connectivity intimations.

4.0 Proposal for grant of Connectivity to the applications received in Sep'21 from Renewable Energy Sources

It was deliberated that following 05 Nos. of Stage-I Connectivity applications were received in the month of Sep'21 and decided to be granted as per the details below:

TABLE 1

Sl. No.	Application ID	Applicant	Project Location	Date of Application	Connectivity Sought Date/(MW)	Nature of Applicant	Location requested for Grant of Stage-I Connectivity	Tr. System for Grant of Stage-I Connectivity
1.	1200003443	ReNew Solar (Shakti Three) Private Limited	Barmer, Rajasthan	14.09.2021	01.07.2023/ 300	Generator (Solar)	Fatehgarh-IV PS (New)	<p>ReNew Solar (Shakti Three) Private Limited Solar Power Project – Fatehgarh-IV PS 220 kV S/c line on D/c tower (Suitable to carry minimum 300 MW at nominal voltage)</p> <p>Common Transmission system for Connectivity (under ISTS):</p> <ul style="list-style-type: none"> • Establishment of 1x500 MVA 400/220 kV pooling station at Fatehgarh-IV PS. • Fatehgarh-IV PS - Fatehgarh-III PS 400 kV D/c (Quad) line • 1x1500 MVA 765/400 kV ICT at Fatehgarh-III PS • Establishment of 1x1500MVA 765/400kV Substation at suitable location near Beawar • Fatehgarh-III– Beawar 765 kV D/c line • LILO of both circuits of Ajmer-Chittorgarh 765 kV D/c line at Beawar substation or LILO of 400kV Kota –Merta line at Beawar substation
2.	1200003455	Grian Energy Private Limited	Bikaner, Rajasthan	20.09.2021	30.06.2023/ 100	Generator (Solar)	Bikaner-II PS (New)	<p>Grian Energy Private Limited Solar Power Project – Bikaner-II PS 220 kV S/c line* (Suitable to carry minimum 300 MW at nominal voltage)</p> <p><i>*220 kV line shall be Common for Application Nos. 1200003455, 1200003458 & 1200003453</i></p> <p>In addition to above, Common Transmission system for Connectivity (under ISTS) mentioned at (A) shall also be required.</p>
3.	1200003458	Onevolt Energy Private Limited	Bikaner, Rajasthan	20.09.2021	30.06.2023/ 100		Bikaner-II PS (New)	<p>Onevolt Energy Private Limited Solar Power Project – Bikaner-II PS 220 kV S/c line* (Suitable to carry minimum 300 MW at nominal voltage)</p>

Sl. No.	Application ID	Applicant	Project Location	Date of Application	Connectivity Sought Date/(MW)	Nature of Applicant	Location requested for Grant of Stage-I Connectivity	Tr. System for Grant of Stage-I Connectivity
						Generator (Solar)		*220 kV line shall be Common for Application Nos. 1200003455, 1200003458 & 1200003453 In addition to above, Common Transmission system for Connectivity (under ISTS) mentioned at (A) shall also be required.
4.	1200003453	Amplus Ages Private Limited	Bikaner, Rajasthan	20.09.2021	30.06.2023/100	Generator (Solar)	Bikaner-II PS (New)	Amplus Ages Private Limited Solar Power Project – Bikaner-II PS 220 kV S/c line* (Suitable to carry minimum 300 MW at nominal voltage) *220 kV line shall be Common for Application Nos. 1200003455, 1200003458 & 1200003453 In addition to above, Common Transmission system for Connectivity (under ISTS) mentioned at (A) shall also be required.
5.	1200003462	JSW Renew Energy (Raj) Limited	Bikaner, Rajasthan	22.09.2021	30.03.2023/500	Generator (Solar)	Bikaner-II PS (New)	JSW Renew Energy (Raj) Limited Solar Power Project – Bikaner-II PS 220 kV D/c line (Suitable to carry minimum 300 MW per circuit at nominal voltage) In addition to above, Common Transmission system for Connectivity (under ISTS) mentioned at (A) shall also be required.

A. Common Transmission system for Connectivity at Bikaner-II PS (under ISTS)

- Establishment of 400 KV Bikaner-II PS
- 1x500 MVA, 400/220kV ICT at Bikaner-II PS
- 400 kV Bikaner-II PS – Khetri D/c line or 400kV Bikaner-II PS- Bikaner D/c line

➤ It was mentioned that the grant of Stage-I Connectivity shall not create any right in favour of the grantee on ISTS infrastructure including bays. Stage-I Connectivity grantee shall be required to update the development of their generation project and associated transmission infrastructure as per format RCON-I-M (available on CTU website>>Stage-I / Stage-II Status Monitoring Portal) by 30th day of June and 31st December of each year.

- Further Stage-I Connectivity grantee is required to secure the Stage-II Connectivity for physical connectivity with the ISTS grid within 24 months. The Stage-I Connectivity grantees who fail to apply for Stage-II Connectivity within 24 months from grant of Stage-I Connectivity shall cease to be Stage-I Grantee and their Application fees shall be forfeited.

Applicants noted the same.

A. Stage-II Connectivity applications

It was deliberated that following 1 No. Stage-II Connectivity application was received in the month of Sep'21 and agreed to be granted as per the details below:

TABLE 2

Sl. No.	Application No.	Applicant	Location	Date of Application	Application/Quantum of Stage-I (MW)	Nature of Applicant	Generation Schedule	Stage-II Connectivity Sought (MW)/date	Quantum won / Land & Auditor Basis	Location requested for Grant of Stage-II Connectivity	Tr. System for Grant of Stage-II Connectivity
1.	1200003447	ReNew Solar (Shakti Three) Private Limited	Jaisalmer, Rajasthan	14.09.2021	1200003443 /300	Generator (Solar)	01/07/2023	300/ 01.07.2023	(L&A)	Fatehgarh-IV PS	ReNew Solar (Shakti Three) Private Limited Solar Power Project – Fatehgarh-IV PS 220 kV S/c line on D/c tower# (Suitable to carry minimum 300 MW at nominal voltage) 220 kV bay at Fatehgarh-IV PS under ISTS scope. Common Transmission system for Connectivity (under ISTS): <ul style="list-style-type: none"> • Establishment of 1x500 MVA 400/220 kV pooling station at Fatehgarh-IV PS. • Fatehgarh-IV- Fatehgarh-III PS 400 kV D/c (Quad) line • 1x1500 MVA 765/400 kV ICT at Fatehgarh-III PS

Sl. No.	Application No.	Applicant	Location	Date of Application	Application/Quantum of Stage-I (MW)	Nature of Applicant	Generation Schedule	Stage-II Connectivity Sought (MW)/date	Quantum won / Land & Auditor Basis	Location requested for Grant of Stage-II Connectivity	Tr. System for Grant of Stage-II Connectivity
											<ul style="list-style-type: none"> • Establishment of 1x1500MVA 765/400kV Substation at suitable location near Beawar • Fatehgarh-III– Beawar 765 kV D/c line • LILO of both circuit of Ajmer-Chittorgarh 765 kV D/c line at Beawar substation or LILO of 400kV Kota –Merta line at Beawar substation

M/s Renew request for connectivity through S/c line on D/c towers upto Fatehgarh-IV PS and 220kV bay at Fatehgarh-IV PS for above connectivity under ISTS was agreed as above. However, it was deliberated that M/s Renew shall submit undertaking within next 2-3 days for not claiming any overriding priority for ISTS Connectivity at Fatehgarh-IV PS through 2nd circuit of the above line. In addition to this, M/s Renew shall not claim any right over bay allocation at Fatehgarh-IV PS on above ground and all issues related to sharing of D/c or M/c tower has to be coordinated among developers themselves. Applicant agreed for the same and also submitted an undertaking in this regard vide letter dated 01/11/2021.

➤ Applicant was requested to note the various provisions applied w.r.t. grant of Connectivity to ISTS Grid as provided at Annexure-I. In this regard, it is emphasized that for optimization of ROW, the transmission towers of various dedicated lines, up to 2-3 km periphery from the entry of the respective ISTS pooling station may be of Multi-circuit type (refer Sl. (iii) of **Annexure-I**).

Applicant noted the same.

B. Conventional Connectivity application

It was deliberated that following 1 No. of Conventional Connectivity application was received in the month of Sep'21 with following details:

TABLE 3

Sl. No.	Application ID	Name of the Applicant	Connectivity Application Type	Submission Date	Project Location	Quantum (MW)	Connectivity Sought Date	Location requested for Grant of Connectivity
1.	1200003437	JB Rolling Mills Ltd	Bulk Consumer	09/09/2020	Sirmour, HP	100	01/01/2022	Kala Amb (ISTS) substation

- It was deliberated that M/s JB Rolling Mills Ltd. (JBRML) has applied for connectivity to the ISTS for 100 MW as a bulk consumer located at Sirmour, Himachal Pradesh from 01/01/2022. As per the application, the bulk consumer entity is located close (about 6 Kms) to the existing 400/220kV Kala Amb (ISTS) GIS substation.
- M/s JB Rolling Mills Ltd. informed that their sanctioned load from HPSEB is 70 MW. However, HPSEB is able to supply only 40 MW due to system constraints to M/s JBRML. Further, additional 35 MW demand by Mar'22 is also expected which is also not envisaged to be supplied. They also informed that there is no captive generation and presently they are connected with 132kV HPSEB system, however, after getting connected through ISTS, they shall be disconnected from STU/DISCOM network.
- CTU stated that HPPTCL is also establishing 220kV transmission system for drawl from Kala Amb substation. It was enquired whether they had discussed with HPPTCL also for facilitation of power supply to M/s JBRML. M/s JBRML informed that 220kV HPPTCL strengthening shall take 2-3 years of time for development and therefore they intend to get connected to ISTS system.
- It was informed that there is no provision in the Electricity Act or in the 2009 Connectivity Regulations for construction of a dedicated transmission line by a bulk consumer. The same has also been noted by the Hon'ble Commission in order dated 29.01.2020 in petition no. 299/MP/2018 (filed by M/s BALCO). In a similar application made by M/s Reliance Industries Limited as Bulk Consumer at Jam Khambhaliya PS, the applicant has already filed Petition No. 124/MP/2021 before CERC to obtain connectivity for oil refinery located at Jamnagar, Gujarat to the ISTS network. The petition of M/s RIL was admitted by the Hon'ble Commission and vide RoP dated 13/07/2021 had directed the CTU to undertake a study as per the 2009 Connectivity Regulations for identifying the infrastructure required for the purpose of providing connectivity to the M/s RIL and the financial implications, if any.
- On similar lines, following transmission system was proposed for Connectivity to M/s JBRML for 100 MW as Bulk Consumer in Sirmour, H.P:

- M/s JBRML– Kala Amb GIS S/s (ISTS) 220kV D/c line along with associated line bays at both ends (GIS bays at Kala Amb end)- Cost about Rs 20 Cr
- In view of above, it was deliberated that Connectivity application for JBRML shall be discussed again in the NR LTA/Connectivity meeting, based on the outcome of the Petition filed by M/s RIL, which is pending before the Hon’ble Commission w.r.t. modalities for implementation of transmission system for connectivity.
- It was also highlighted that as the connectivity sought is from Jan’2022, time span to build the connectivity is very short, therefore, applicant may also review the start date of Connectivity.
Applicant agreed to the same.

C. Proposal for grant of LTA to the application received from RE/Conventional Energy Sources

It was informed that the following LTA applications were received in the months of Jul’21. Details of which are as below:

TABLE 4

Sl. No.	Application No.	Applicant	LTA Application date (online)	Connectivity Injection Point	Connectivity Application	Drawl Point	Quantum of LTA (MW)	Start Date of LTA	End date of LTA
Received in Jul’21									
1	1200003333	NTPC Limited	06.07.2021	NTPC Rihand TPS (NR)	1200002527	UPPCL	20 (Firm)	25.01.2022 Revised: 12/10/2022	14.06.2046 Revised: 11/10/2047
2	1200003348	Adani Renewable Energy Park Rajasthan Limited (Renewable Power Park Developer)	15.07.2021	Fatehgarh PS, Rajasthan	1200000287	Adani Electricity Mumbai Ltd – Distribution (WR)	700 (Firm)	01.10.2021	01.10.2046

➤ **For Application at Sl. No.1 (Table 4) (NTPC Limited):**

It was informed that this LTA application was received in the month of July’21, however, NTPC Ltd. vide their email dated 18/08/2021, requested that due to COVID, problems being faced in execution of the project, the agenda point may be deferred to the next meeting regarding Connectivity & LTA applications in NR. Further, during 50th meeting of NR Connectivity & LTA applications, NTPC again

requested to defer the agenda, however, it was deliberated that their LTA application shall be discussed in the next LTA/Connectivity meeting of NR without further deferment. Accordingly, the LTA application was taken up in the present meeting.

It was informed that Stage-II Connectivity (1200002527, 20 MW) was granted vide CTU letter dated 14/09/2020 at 400 kV switchyard within the premises of NTPC Rihand TPS in Uttar Pradesh through existing ISTS connected from Rihand TPS and the same was being considered for present LTA. Now, NTPC Limited has applied for LTA of 20 MW on firm basis to U.P-NR. Applicant also confirmed the same. NTPC informed that they wish to change the start date of LTA from 25.01.2022 to 12.10.2022, for which they also confirmed vide their letter dated 28/10/2021. In the letter, NTPC also mentioned that they are approaching UP for revised NOC for new timelines.

As the proposed Solar PV (20 MW) project is to be connected at switchyard of principal generator i.e. NTPC Rihand TPS switchyard, it was decided to grant LTA to NTPC Ltd. for 20 MW Solar PV from NTPC Rihand to UPPCL, NR(Firm) with existing ISTS system connected at Rihand TPS from 12/10/2022 to 14/06/2046. The existing transmission system beyond Rihand TPS shall be adequate for evacuation of 20 MW of power. NTPC was requested to arrange revised NOC with new timelines before issuance of LTA intimation so that same can be referred. Subsequently, NTPC vide their email dated 09/11/2021 submitted revised NoC from UPPTCL for LTA start date as 12/10/2022 & end date as 11/10/2047.

➤ **For Application at Sl. No.2 (Table 4) (M/s Adani Renewable Energy Park Rajasthan Limited):**

It was informed that M/s AREPRL was granted 1000 MW (250MW+750MW) LTA on Target (NR) basis at Fatehgarh PS with following details:

- i. 250MW w.e.f. 31.12.2017 or availability of transmission system whichever is later vide CTU intimation no. C/CTU-PIg/LTA/N/2016/AAREPRL/Fatehgarh-I/Pokaran dated 09.08.2016
- ii. 750MW w.e.f. 31.12.2017 or availability of transmission system whichever is later vide CTU intimation no. C/CTU-PIg/LTA/N/2016/AAREPRL/Fatehgarh-II/Pokaran dated 09.08.2016

The transmission system associated with above LTAs (i) & (ii) is already commissioned and LTA was also been made effective. Out of 750 MW, 296 MW was already changed on firm basis from NR (target) to SR (TSSPDCL & TSNPDCL). Now, the present application is regarding relinquishment of 700 MW LTA (250 MW & balance 450 MW from 750 MW) from NR and change in region to Adani Electricity Mumbai Ltd.– Distribution (AEMLD) (WR) on firm basis from 01.10.2021 to 01.10.2046.

However, remaining 4 MW allocation out of 750 MW shall remain for Northern region on Target basis. In addition, the effective date of start of LTA in the changed region is the same as date of relinquishment in original region and the change in region is sought for entire capacity relinquished, thereof, no relinquishment charges are leviable in line with CERC order in Petition 92/MP/2015.

The above application was also discussed in 49th & 50th meeting of NR for Connectivity & LTA Applications held on 27/08/2021 & 29/09/2021 respectively, wherein it was deliberated that for transfer of 700MW power from the generation project to AEML, Banaskantha – Sankhari 400kV D/c line was envisaged to be critically loaded after commissioning of Banaskantha Solar Park (700MW). The same may be overcome with the commissioning of following system, already under implementation:

- LILO of the second circuit of Zerda – Ranchodpura 400 kV D/c line at Banaskantha (PG) PS (expected by Jul'22)
- or
- Bhuj-Lakadia-Vadodara 765kV D/c corridor (expected by Dec'21).

In the earlier meetings, WRLDC stated that apart from the issue of Banaskantha-Sankhari overloading, the import capability of Maharashtra also needs to be discussed which involves transfer of 700MW power from NR to AEML (Mumbai). The application was also discussed in 63rd Meeting of WR constituents for Connectivity & LTA Applications held on 29/09/2021, wherein it was informed that margin of only 1015MW is available against the operationalization requirement of 1500 MW (Including above 700 MW LTA) to Maharashtra. In view of the same, import capability of Maharashtra may not be sufficient to accommodate the additional power transfer requirement from the new LTA applications. After deliberations in the above meetings, it was decided that MSETCL needs to review the STU NOCs mentioned above and intimate regarding validity of the already issued STU NOCs for further processing of the above application.

MSETCL reiterated that the existing ATC for Maharashtra is 9760MW out of which 8745MW has already been booked under LTA/Central Sector Allocation. Hence, a margin of only 1015 MW is available against the operationalization requirement of 1200MW to Maharashtra (excluding share of MSEDCL from NPCIL Kakrapar 3 & 4 for which MSEDCL may not sign PPA). Hence, no margins are currently available for drawl of power by Maharashtra. However, MSETCL is implementing certain Intra-state transmission schemes which shall result in ATC enhancement of 1200MW by Mar'22 (500MW by Dec'21 & 700MW by Mar'22). Based on above, MSETCL informed the following:

- The STU NOC Adani Renewable Energy Park Rajasthan Limited shall be revised with validity starting from 01.04.2022 (after commissioning of Intra-state transmission schemes expected to commission by Mar'22).

After detailed deliberations, it was decided that LTA shall be granted to M/s Adani Renewable Energy Park Rajasthan Limited and the applicant shall pursue with MSETCL and submit revised NOC along with revised start date of LTA (in line with validity of STU NOC). Upon receipt of the same, intimations for grant of LTA shall be issued as per the revised NOC/LTA dates.

Members agreed to the same.

D. Proposal for grant of LTA to applications received in other regions for Injection/drawl in Northern region

It was informed that following LTA application was received in Southern region for drawl in NR:

Sl. No.	LTA Application No.	Applicant Name	Nature of Applicant	Location	LTA Quantum (MW)	Injection point	Drawl point	Start date of LTA (as per application)	End date of LTA (as per application)
1.	12000003459	Adani Renewable Energy Holding Fifteen Limited	Generator (Wind)	Lakundi, Gadag, Karnataka	300	Koppal PS, Karnataka	On Target basis (NR): i) Jaipur Vidyut Vitaran Nigam Limited, Rajasthan – 120.81 MW ii) Ajmer Vidyut Vitaran Nigam Limited, Rajasthan – 81.42 MW iii) Jodhpur Vidyut Vitaran Nigam Limited, Rajasthan – 97.77 MW	10.03.2023	10.03.2048

It was deliberated that above application of M/s Adani Renewable Energy Holding Fifteen Limited (AREHFL) is seeking grant of LTA for 300MW on target region basis from 10.03.2023 to 10.03.2048 with injection at Koppal PS and drawl in Rajasthan in Northern Region. It was informed that the above LTA involves power transfer from SR to NR as drawl region and no constraints are envisaged in above transfer of power.

Members noted and agreed for the proposal of grant of above LTA.

E. Proposal for Part Operationalization of LTA for 100 MW out of 350 MW granted to Avaada Energy Private Ltd.- Additional Agenda

- It was deliberated that LTA (Application No. 1200002185) was granted to M/s Avaada Energy Pvt. Ltd. at Bikaner PS through Part of Rajasthan SEZ Phase-I & Transmission scheme for controlling high loading and high short circuit level at Moga substation vide intimation dated 10/10/2019
- The meeting regarding early operationalization of LTAs granted at Fatehgarh PS, Fatehgarh-II PS, Bhadla (PG) S/s, Bhadla-II PS & Bikaner PS utilizing available margins was held through VC on 17.09.2021 amongst CEA, CTU, POSOCO, SECI and various LTA Grantees in Bhadla/Fatehgarh/Bikaner Complex associated with Transmission System for Solar Energy Zones in Rajasthan (8.9GW)

under Phase-I (Rajasthan SEZ Phase-I) and Transmission scheme for controlling high loading and high short circuit level at Moga substation (Moga Bus Splitting).

- During this meeting it was deliberated that margin of 1000 MW is available at Bikaner PS for part operationalization of LTA. Based on available margins, it was agreed to operationalize the following LTAs at Bikaner PS:

Sl. No.	Name of Applicant	Application No.	LTA Quantum (MW)	Start Date of LTA* as per intimation	LTA to be Operationalized (MW)	Remarks
Bikaner PS						
1	ReNew Solar Power Pvt. Ltd.	1200001640	250	26.06.2020	250	
2	Azure Power India Pvt. Ltd.	1200001650	300	15.06.2021	300	
3	Azure Power India Pvt. Ltd.	1200001655	300	15.06.2021	100*	Part generation (100MW) Commissioned

*Based on Azure Request dated 21/09/2021

- Accordingly, out of 1000 MW available margin at Bikaner PS, 650 MW LTA has been operationalized and margin of 350 MW is still available for next LTA grantee.
- Further, it was deliberated that next in priority for LTA operationalization is M/s Avaada Energy Pvt. Ltd. In above meeting, M/s Avaada informed that 100MW generation is expected to be commissioned progressively from 10.10.2021 and after commissioning of generation they shall submit separate request for LTA operationalization.
- Now, M/s Avaada vide letter their dated 27/10/2021 informed that part capacity (100MW) is getting commissioned by its 100% SPV i.e. Avaada Sunce Energy Pvt. Ltd. and requested to operationalize above 100MW LTA w.e.f. 01/11/2021. The matter regarding LTA operationalization before its start date (25.02.22 or system whichever is later) for part capacity was also discussed in 51st NR constituents meeting regarding Connectivity/LTA Applications in NR held on 28.10.2021 wherein it was agreed to operationalize LTA (Part & Prior) based on request from M/s Avaada. During the meeting it was deliberated that in case of delay in generation, M/s Avaada shall be liable to bear transmission charges from 01/11/2021. However, M/s Avaada mentioned that they will revert on the revised start date of operationalization of LTA. Keeping above in view, 100MW (out of 350MW) LTA granted to M/s Avaada was agreed to be operationalized.

- Subsequently, M/s Avaada vide email dated 28/10/2021 revised the date of LTA operationalization for part capacity i.e. 100MW w.e.f. 03/11/2021.
- Accordingly, 100MW (out of 350MW) LTA granted to M/s Avaada was operationalized w.e.f. 03/11.2021.
- In case of delay in generation, M/s Avaada shall be liable to bear transmission charges from 03/11/2021, as applicable, in line with CERC Sharing Regulations 2020. Further, all applicable liabilities towards operationalization of above LTA shall be borne by the applicant.

Meeting ended with a vote of thanks

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Annexure-A

The following provisions shall be applied with respect to grant of connectivity to **RE projects** to the ISTS Grid:

- i. The grant of Stage-I Connectivity shall not create any vested right in favor of the grantee on ISTS infrastructure including bays. Stage-I Connectivity grantee shall be required to update the quarterly progress of development of their generation project and associated transmission infrastructure/dedicated line as per format **RCON-I-M** by 30th day of June and 31st day of December of each year. Further, Stage-I Connectivity grantees who fail to apply for Stage-II Connectivity within 24 months from grant of Stage-I Connectivity shall cease to be Stage-I grantee and their Application fees shall be forfeited.
- ii. If the capacity of the Stage-I Connectivity location is allocated to other Stage-II grantees, the balance Stage-I grantees shall be allocated Stage-II Connectivity to an alternate location.
- iii. For optimization of ROW, it is proposed that transmission towers of various dedicated lines, up to 2-3 km periphery from the entry of the pooling station may be of **Multi-circuit type**. The generation developers/applicants associated with the various pooling stations may coordinate amongst themselves for implementation of such span/stretches of the dedicated connectivity lines with M/C towers.
- iv. The grant of Stage-I / Stage-II Connectivity shall not entitle an applicant to interchange any power with the grid unless it obtains LTA/MTOA/STOA for power transfer requirements. As grant of LTA may require transmission system strengthening, the applicants are advised to apply for LTA immediately, to enable timely transfer of power to the beneficiaries. Also as per the prevailing Transmission Planning Criteria of CEA, "N-1" contingency criteria may not be applied to the immediate connectivity of wind/solar farms with the ISTS/Intra State grid.
- v. Stage-II Connectivity Grantee shall sign the Transmission Agreement for Connectivity and submit the Connectivity Bank Guarantee (**Conn-BG1 and Conn-BG2**) to CTU within 30 days of issue of intimation. No extension of time shall be granted and in case of failure to sign the Agreement and / or to furnish the requisite bank guarantee, Stage-II Connectivity shall be cancelled under intimation to the grantee without any prior notice.
- vi. Two or more Applicants may apply for Stage-II Connectivity at a common bay along with an agreement duly signed between such Applicants for sharing the Dedicated Transmission Line. The Stage-II Connectivity shall be granted to such Applicants

subject to availability of capacity in the Dedicated Transmission Line. In such cases, **Conn-BG1 and Conn-BG2**, as applicable as per Clause 10.8 of the Revised RE Procedure, shall be submitted by each such Applicant.

- vii. The Stage-II Connectivity grantee shall furnish progress of the monitoring parameters on quarterly basis in the format given at **FORMAT-RCON-II-M** by the last day of each quarter. Failure to update progress of the monitoring parameters shall be considered as adverse progress and in such case CTU shall approach the Commission for appropriate directions. Further, the Stage-II Connectivity grantees shall be required to complete the dedicated transmission line(s) and pooling sub-station(s) as defined under para 11.2(A) of the Revised Detailed Procedure for RE. If the grantee fails to complete the dedicated transmission line within the stipulated period, the Conn-BG1 & Conn-BG2 of the grantee shall be encashed and Stage-II connectivity shall be revoked.
- viii. Applicants after grant of Stage-II Connectivity to the grid shall have to furnish additional details to CTU for signing of “Connection Agreement” as per format given at **FORMAT-CON-4**. The finalized template of generation data for Solar and Wind based generation projects has been appended as additional sections at Para F (Details of Connection – Solar PV Station) and Para G (Details of Connection – Wind Generating Station) in the existing FORMAT-CON-4. The modified FORMAT CON-4 is available on our website (www.powergridindia.com >> CTU Open Access). The Applicants are advised to furnish such details as early as possible for enabling them have lead time for any type of access.
- ix. The CTU will process the above information and will intimate the Connection details as per format given at **FORMAT-CON-5**. Pursuant to such Connection details, the applicant shall have to sign “Connection Agreement” with CTU prior to the physical inter-connection as per format given at **FORMAT-CON-6**. In case the connectivity is granted to the ISTS of an inter-State transmission licensee other than the CTU, a tripartite agreement shall be signed between the applicant, the Central Transmission Utility and such inter-State transmission licensee, in line with the provisions of the Regulations.
- x. Applicants are required to submit the test reports supported vide undertaking as well as compliance certificate from manufacturer for all applicable provisions under the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 (as amended) (including the provisions of LVRT/HVRT, active power injection control, dynamically varying reactive power support, limits for Harmonic & DC current injection, Flicker limits etc.) from labs accredited by Govt./NABL/other recognized agencies. In case any discrepancies / incompleteness are found in the documents / test reports submitted to CTU, the connection offer (CON-5) / connection agreement (CON-6) shall not be processed further.

- xi. CEA vide order dated 09.11.2020, has mandated all power generating stations of 0.5 MW or above capacity to register themselves on CEA e-portal and get a **Unique Registration Number (URN)**. The same is required as per Regulation 11 of Technical Standards for Connectivity with the Grid Regulations, 2007 prior to physical inter-connection of the Generating station with ISTS Grid.

Annexure-A

List of Participants of 51st Meeting of Northern Region Constituents regarding LTA and Connectivity applications in NR held on 28.10.2021

CEA (PSP&A-I)

Ms. Manjari Chaturvedi Director

POSOCO

Shri Alok Kumar General Manager

Shri Gaurav Malviya Dy. Manager

CTU

Shri Ashok Pal Dy. COO (CTU)

Shri Kashish Bhambhani Sr. DGM (CTU)

Shri Sandeep Kumawat Ch. Manager (CTU)

Ms. Ankita Singh Ch. Manager (CTU)

Shri R Narendra Sathvik Manager (CTU)

Shri Sandeep Behera Manager (CTU)

Shri Roushan Kumar Engineer (CTU)

LTA/Connectivity Applicants

Ms. Sukriti Mishra Avaada Energy Private Limited

Shri Angshuman Rudra Avaada Energy Private Limited

Shri Rohit Singh	Renew Solar (Shakti Three) Private Limited
Shri Rahul Malik	Amplus Ages/Grian Energy/ One Volt Energy Private Limited
Shri Pritpal Singh	JSW Renew Energy (Raj) Limited
Shri Surindar Jain	JB Rolling Mills
Shri R R Surana	NTPC Limited
Shri Ajay Singh	SJVN Limited
Shri Rajas Acharya	Adani Renewable Energy Park Rajasthan Limited
Shri Rajesh Gupta	Adani Renewable Energy Park Rajasthan Limited
Shri Satyanarayana Sahoo	Azure Power Pvt. Ltd.