



Southern Power Distribution Company of Telangana Limited

#6-1-50, Corporate Office, Mint Compound, Hyderabad 500 063
Phone No.(040) 2343 1008 Fax Nos.(040) 2343 1395/1452 website www.tssouthernpower.com

From
The Chief General Manager (IPC & RAC),
TSSPDCL, Corporate Office,
6-1-50, Ground Floor, Mint Compound,
Hyderabad – 500 063.

To
~~The Commission Secretary,~~
TSERC, 5th Floor,
Singareni Bhavan, Red Hills,
Hyderabad.

Lr.No.CGM (IPC&RAC)/SE(IPC)/F. NTPC CPSU Scheme /D. No. 685 /21, dt: 28 -08-2021
Sir,

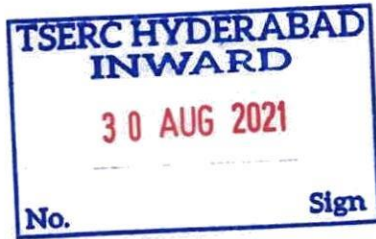
Sub: - TSSPDCL –RE projects – Procurement of 1000MW & 500 MW Solar Power through NTPC & NHPC respectively under CPSU Phase-II Tranche III – In-principle consent/approval- Requested – Reg.

Ref:- 1) Lr.No.JMD/ED/Comml/SE(IPC)/DE-2/RE/F.121Solar/D.No.250/21,Dt:26.05.2021
2) Lr.No.JMD/ED/Comml/SE(IPC)/DE-2/RE/F.121Solar/D.No.250/21,Dt:26.05.2021

NTPC Limited and NHPC have offered for sale of 1000 MW solar power and 500 MW at a tariff not more than Rs.2.45 per unit under MNRE Central Power Sector Undertaking (CPSU) Scheme Phase II Tranche III and requested to communicate the desired quantum and willingness to avail the power.

In this regard, willingness of TSDISCOMS for procurement of 1000MW & 500 MW Solar Power through NTPC & NHPC respectively under CPSU Phase-II Tranche III was communicated vide ref (2) and (3) cited.

Hence, it is requested to accord in-principle approval/consent for procurement of 1000 MW & 500 MW Solar Power through NTPC & NHPC respectively under CPSU Phase-II Tranche III.



Yours faithfully,

P.Krishnaiah
Chief General Manager (IPC & RAC)
seipctsspdcl@gmail.com
9490603671

Copy to:
The Chief General Manger /IPC/TSNPDC/ Hanmakonda/Warangal.

Copy submitted to:
The Executive Director(Comml)/TSPCC/Vidyut Soudha/Hyderabad.


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From

 The Chief General Manager (IPC),
 TSSPDCL, Corporate Office,
 6-1-50, 1st Floor, Mint Compound,
 Hyderabad – 500 063.

To

 The Commission Secretary,
 TSERC, 5th Floor,
 Singareni Bhavan, Red Hills,
 Hyderabad.

Letter No. CGM (IPC)/SE(IPC)/F. NTPC /D. No. 520 /22, dated: 11 .07.2022.

Sir,

Sub:- TSSPDCL – Petition being filed under Section 63, 86(1)(b) of the Electricity Act, 2003 and u/s 21 (4) of Telangana Electricity Reforms Act, 1998 seeking consent for procurement of 1045 MW Solar power from NTPC under CPSU Scheme Phase-II Tranche-III, 500 MW Solar power from NHPC under CPSU Scheme Phase-II Tranche-III and 1000 MW Solar power from SECI under ISTS Tranche-IX by TSDISCOMs - Regarding.

* * *

Petition being filed under Section 63, 86(1)(b) of the Electricity Act, 2003 and u/s 21 (4) of Telangana Electricity Reforms Act, 1998 seeking consent for procurement of 1045 MW Solar power from NTPC under CPSU Scheme Phase-II Tranche-III, 500 MW Solar power from NHPC under CPSU Scheme Phase-II Tranche-III and 1000 MW Solar power from SECI under ISTS Tranche-IX by TSDISCOMs is herewith submitted along with requisite fee of Rs. 25,000/- vide Cheque No. 259549 dated 11.07.2022 for placing before the Hon'ble Commission.

Encl: As above (6 sets).



Yours faithfully,

P.Krishnaiah

Chief General Manager (IPC)

seipctsspdcl@gmail.com

9440813512

to meet the proposed LI loads as per the policy directions of Govt of Telangana, TSDISCOMs have agreed for procurement of Solar power from the following Central Govt agencies as detailed below :

Sl. No.	Proposed procurement capacity (MW)	Agency	Scheme
1	1045	NTPC	CPSU Ph-II Tranche-III
2	500	NHPC	CPSU Ph-II Tranche-III
3	1000	SECI	ISTS Tranche-IX

3. Accordingly, agreements have been concluded for the said procurement of Solar power. The complete details are as submitted below:

I. 1045 MW through NTPC under CPSU Scheme Ph-II Tranche-III

Sl. No.	Location of the NTPC Solar PV plant	Capacity (MW)	Power Usage Agreement Date	Tariff (Rs./Kwh)	SCOD
1	Nokh-I, Nokh Solar Park, Pokran, Jaisalmer, Rajasthan	245	07.12.2021	2.45	01.11.2023
2	Nokh-II, Nokh Solar Park, Pokran, Jaisalmer, Rajasthan	245	07.12.2021	2.45	01.11.2023
3	Nokh-III, Nokh Solar Park, Pokran, Jaisalmer, Rajasthan	245	07.12.2021	2.45	01.11.2023
4	NTPC REL Khavda Solar PV Station, Kutch, Gujarat	310	07.12.2021 amended on 13.05.2022	2.45	03.04.2024
	Total	1045			

II. The signing of Power Usage Agreement for procurement of 500 MW Solar power through NHPC under CPSU Scheme Phase-II Tranche-III with power usage charges @ Rs.2.45/Kwh is under process.


III. 1000 MW through Power Sale Agreement (PSA) with SECI under ISTS Tranche-IX

Sl. No.	Name of the Solar Power Developer & location of plant	Capacity (MW)	Date of Power Sale Agreement & PPA	Tariff (Rs./Kwh)	SCOD
1	M/s Ayana Renewable Power Three Private Limited, Bikaner,	300	17.02.2022 19.04.2022	2.38 (plus 0.07 trading)	11.10.2023


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	Rajasthan			margin)	
2	M/s Eden Renewable Bercy Private Limited, Pusar/Pushad, Tehsil Sheo, Barmer District, Rajasthan	300	17.02.2022 28.04.2022	2.37 (plus 0.07 trading margin)	11.10.2023
3	M/s IB Vogt Solar Seven Priivate Limited, Neemba, Deora Villages, Fatehgarh, Jaisalmer, Rajasthan	300	17.02.2022 19.04.2022	2.37 (plus 0.07 trading margin)	11.10.2023
4	M/s AMP Energy Green Five Private Limited, Badi Seed & Ranjeet Nagar Villages, Bap, Jodhpur, Rajasthan	100	17.02.2022 12.04.2022	2.37 (plus 0.07 trading margin)	11.10.2023
	Total	1000			

4. Copies of the concluded Power Usage Agreements, Power Sale Agreement and the Power Purchase Agreements are submitted herewith as Annexure-I. In respect of PUA with NHPC for 500 MW, TSDISCOMs may be permitted to file separately after the signing of PUA.
5. That the salient features of the CPSU Scheme are as submitted :
- Sanction of the President of India was conveyed, vide MNRE orders dated 05.03.2019 for implementation of Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW grid connected Solar PV Power Projects by the Government producers with Viability Gap Funding (VGF) support for self-use or use by Government/ Government entities, either directly or through DISCOMs.
 - The Scheme mandates use of both solar photovoltaic cells and modules manufactured domestically.
 - The Solar PV power project capacity under the Government Producer Scheme would be allocate to the Government Producers by way of bidding, who in turn, will secure an arrangement for usage of power for self-use or use by Government/ Government entities, either directly or through DISCOMs.
 - With the objective of covering difference between the domestically produced solar cells & modules and imported cells & modules, VGF will be


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provided under the scheme. While the maximum permissible VGF has been kept at Rs.0.70 Cr/MW, the actual VGF to be given to a Government Producer under the Scheme would be decided through bidding using the VGF amount as a bid parameter.

6. Ministry of New and Renewable Energy (MNRE), Government of India, vide office Memorandum dated 13.04.2020 identified Indian Renewable Energy Development Agency Limited (IREDA) as the nodal agency for handling the CPSU Scheme on behalf of MNRE.
7. A copy of the CPSU Scheme sanction order and modalities are enclosed as Annexure-II.
8. On 29.01.2021, IREDA has issued the RfS document being RfS No. 23016/1/2020-IREDA/RfS/5000 MW/012021 for selection of Solar Power Developers for setting up of 5000 MW Grid connected Solar PV Power Projects in India (Tranche-III) under Central Public Sector Undertaking Scheme Phase-II (Government Producer Scheme).
9. NTPC Limited has been declared as a successful bidder under the said RfS issued by IREDA for development of 1990 MW Solar Photovoltaic Power projects. And NHPC was awarded 500 MW.
10. NTPC offered initially 1000 MW and NHPC offered 500 MW to TSDISCOMs under CPSU Scheme Ph-II Tranche-III @ Rs. 2.45 per Kwh.
11. Having agreed for the offered procurement of Solar power, PUAs for a capacity of 1000 MW were entered with NTPC on 07.12.2020. The total capacity of 1000 MW was offered from 3 x 245 MW Solar plants at Nokh, Rajasthan and 265 MW from 310 MW of NTPC REL project at Khavda solar park, Gujarat.
12. Subsequently, NTPC offered balance 45 MW capacity from 310 MW NTPC REL project at Khavda Solar park, Gujarat under CPSU Scheme Phase-II Tranche-III for smoothening the accounting and other modalities for the usage of power. Approval was accorded for procurement of balance 45 MW and accordingly supplemental agreement was signed on 13.05.2022, thus totalling the capacity to 1045 MW under CPSU Scheme Phase II Tranche III from NTPC.


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13. Solar Energy Corporation of India Limited (SECI) has been identified by the Govt. of India as the nodal agency for implementation of MNRE Scheme for Setting up of ISTS-connected Solar Power Projects and shall act as the Intermediary Procurer under the Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Solar Power Projects issued by Ministry of Power vide Gazette Resolution dated 3rd August 2017, including subsequent amendments and clarifications.
14. SECI issued Request for Selection (RfS) vide RfS No. SECI/C&P/SPD/ISTS-IX/RfS/2000MW/032020 dated 20.03.2020 for procurement of 2000 MW Solar Power.
15. TSDISCOMs conveyed consent for procurement of 1000 MW through SECI under ISTS Tranche IX with tariff Rs.2.37 – 2.38/Kwh. Accordingly, PSA dated 17.02.2022 was entered with SECI and subsequently, PPAs were signed by SECI with Solar Power Developers (SPDs) as detailed at para-3 above.
16. The said procurement of 2545 MW capacity of Solar power through NTPC/NHPC/SECI has been taken up taking into consideration the following :
 - a. The DISCOMs are entrusted with the dual responsibility of not only to adhere to the various regulations/orders issued by TSERC/CERC/MNRE/MoP but also the bigger mandate enlisted in the Electricity Act 2003, to maintain reliable power supply with least cost principle ;
 - b. As such to meet the growing demand of the state of Telangana and to ensure 24 Hrs uninterrupted power supply to all categories of consumers including agricultural services as per the directions of Govt of Telangana State, the subject procurement is necessitated. The details are annexed as Annexure-III;
 - c. Further, in view of the commitment for achieving 500 GW RE power by 2030 made by India at CoP 26, all States have been directed to increase the RE capacity additions accordingly. Hence, TSDISCOMs need to be prepared for Renewable energy capacity addition in a phased manner ;
 - d. The present RE installed capacity tied up by TSDISCOMs under Power Purchase Agreements (PPAs) is as submitted below :


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Category	PPA Capacity (MW)	Remarks
Biomass	30	12 MW PPAs going to expire by Dec 2022
Bagasse	61.7	15 MW PPAs going to expire by Dec 2022
Mini Hydel	2.55	
Industrial Waste based	15	
MSW/RDF	19.8	
Wind	128.1	
Solar (incl all Bids, Bundled Power)	3289.55	
Solar Roof top	227.34	
Solar NTPC CPSU Ph-II Tranche I &II	1692	Hon'ble Commission conducted public hearing on 16.05.2022 and consent is awaited. 199.72 MW commissioned; Balance 1492.28 MW to be commissioned by Oct 2022
Solar SECI ISTS Tranche VI	400	270 MW commissioned; Balance 130 MW to be commissioned by October 2022
Solar NTPC CPSU Ph-II Tranche III	1045	SCOD from Nov 2023 to April 2024. Included in the present petition
Solar SECI ISTS Tranche IX	1000	SCOD Oct 2023 Included in the present petition
Solar NHPC CPSU Ph-II Tranche-III	500	PUA yet to be signed Included in the present petition
Total	8411.04	

e. The TSERC mandated RPPO is as submitted below :

FY	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Solar RPPO %	5.33	5.77	6.21	7.10	7.5	8	9	10	11
Non Solar RPPO %	0.67	0.73	0.79	0.90	1	1.25	1.5	1.75	2
Total	6.00	6.50	7.00	8.00	8.5	9.25	10.5	11.75	13

f. The details of compliance of RPPO by TSDISCOMs are as below :


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Financial Year	Solar RPPO %		Non-Solar RPPO %		Total RPPO %	
	As mandated by TSERC	Achieved by TSDISCOMs	As mandated by TSERC	Achieved by TSDISCOMs	As mandated by TSERC	Achieved by TSDISCOMs
2018-19	5.33	9.57	0.67	0.83	6	10.4
2019-20	5.77	9.86	0.73	0.67	6.5	10.53
2020-21	6.21	9.2	0.79	0.79	7	9.99
2021-22	7.1	8.52*	0.9	0.94*	8	9.46*

* calculated for first three quarters of FY 2021-22

- g. As could be seen from the above table, TSDISCOMs were able to satisfy the Solar RPPO targets prescribed by TSERC from FY 2018-19 till FY 2021-22. However, could marginally meet the Non-Solar RPPO targets ;
- h. With the growing demands of the state (estimated at 8-9% growth rate), TSDISCOMs would not be able to meet the RPPO targets fixed by State ERC ;
- i. As such, in light of the higher RPPO targets fixed by this Hon'ble TSERC vide RPPO Regulation No. 7 of 2022 and increasing load growth @ 8-9% , the present procurement of Solar power helps TSDISCOMs comply the same ;
- j. Also, the said Regulation No. 7 of 2022 provides that on achievement of Non-Solar RPPO compliance to the extent of 85% and above, remaining shortfall if any, can be met by excess Solar energy purchased beyond specified Solar RPPO for that particular year ;
- k. In view of the limited Non-solar potential availability in the state of Telangana, the present procurement of Solar power would also help TSDISCOMs meet the shortfall in Non-Solar RPPO in future ;
- l. The purchase price of the present Solar procurement (viz., less than Rs.2.90/unit) is very much cost effective when compared to higher tariffs of various Non-Solar RE sources, such as power from RDF based projects which tariff is presently fixed @ Rs. 7.84/unit. Further, this solar tariff is single part


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- levelised tariff fixed for 25 years, unlike Thermal power tariff being two part with increasing Variable Cost component ;
- m. As such, this solar power procurement would help TSDISCOMs in bringing down the average power purchase cost, as detailed at Annexure-IV ;
- n. TSDISCOMs are also benefitted from the exemption of ISTS Transmission charges granted by MoP (vide orders dated 30.09.2016, 14.06.2017, 13.02.2018, 06.11.2019, 05.08.2020, 15.01.2021, 21.06.2021 & 23.11.2021) for a period of 25 years applicable for the Solar projects to be commissioned till 30.06.2025. In other words, it is as good as procurement of power from solar plants within the state of Telangana ;
- o. Since the CPSU Scheme mandates for use of domestically manufactured Solar Cells & Modules, change in levy of Basic Customs Duty on Solar Cells and Modules does not effect the agreed Power Usage Charges ;
- p. In case of procurement of power from SECI, Solar Power Developers provided commitment for waiver on claim of BCD upto 40% on Solar Modules & 25% on Solar Cells ;
- q. Taking into consideration the environmental concerns restrictions are being imposed for operating the old Thermal plants beyond their PPA periods. In such a case, keeping the competitive tariffs offered by Solar power in view, procurement of such Solar energy complimented with Battery Energy Storage Systems would be the best alternative to meet the growing demands and peak demand in near future as the cost of Battery Energy Storage would be reduced ;
17. For the PSA entered with SECI, It is submitted that the condition precedent for the enforcement of the obligations of either party against the other shall be that within 120 days after the effective date of PPA (viz., 11.04.2022), SECI and/or TSDISCOMs shall obtain adoption of tariff from its State ERC and/or CERC. Further, any delay in adoption of tariff by the Appropriate Commission, beyond


CHIEF GENERAL MANAGER
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120 days after Effective date of the PPA, shall entail a corresponding extension in Scheduled Commissioning Date.

18. In light of the submissions made above, this Hon'ble Commission is prayed for consent for procurement of 1045 MW Solar power from NTPC under CPSU Scheme Phase-II Tranche-III, 500 MW Solar power from NHPC under CPSU Scheme Phase-II Tranche-III and 1000 MW Solar power from SECI under ISTS Tranche-IX by TSDISCOMs

Place: Hyderabad

Date:



Petitioner

CHIEF GENERAL MANAGER
(IPC), TSSPDCL,
Corporate Office, 6-1-50,
Mint Compound, Hyd-500 063

**BEFORE THE HON'BLE TELANGANA ELECTRICITY REGULATORY
COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD**

O.P No. of 2022

IN THE MATTER OF

Seeking consent u/s 63, 86(1)(b) of the Electricity Act, 2003 and u/s 21 (4) of Telangana Electricity Reforms Act, 1998 for procurement of 1045 MW Solar power from NTPC under CPSU Scheme Phase-II Tranche-III, 500 MW Solar power from NHPC under CPSU Scheme Phase-II Tranche-III and 1000 MW Solar power from SECI under ISTS Tranche-IX by TSDISCOMs

IN THE MATTER OF

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

Rep.by its Chairman & Managing Director,
TSSPDCL, Corporate Office, Mint Compound, Hyderabad.

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED


Rep.by its Chairman & Managing Director,
TSNPDCL, Vidyut Bhavan, Nakkalagunta, Warangal.

..... Petitioners

AFFIDAVIT OF APPLICANT VERIFYING THE ACCOMPANYING PETITION

I, P. Krishnaiah, S/o P. Ramulu, aged 58 years, Occupation: Chief General Manager (IPC), TSSPDCL, Hyderabad, R/o. Hyderabad do solemnly affirm and say as follows:

- 1) I am Chief General Manager (IPC)/TSSPDCL, I am competent and duly authorized by TSSPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
- 2) I have read and understood the contents of the accompanying application drafted pursuant to my instructions. The statements made in the paragraphs of accompanying application now shown to me are true to my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.


DEPONENT
CHIEF GENERAL MANAGER
(IPC), TSSPDCL,
Corporate Office, 6-1-50,
Mint Compound, Hyd-500 063

VERIFICATION

The above named Deponent solemnly affirm at Hyderabad on this 11th day of July, 2022 that the contents of the above Affidavit are true to my knowledge no part of it is false and nothing material has been concealed there from.

Solemnly affirmed and signed before me.



SUPERINTENDING ENGINEER / IPC
TSSPDCL, Corporate Office,
6-1-50, Mint Compound,
HYDERABAD-500 063.



CHIEF GENERAL MANAGER
(IPC), TSSPDCL,
Corporate Office, 6-1-50,
Mint Compound, Hyd-500 063



भारतीय स्टेट बैंक

1615443/2022/JOINT DIRECTOR(PERSONNEL & ACCOUNTS)-TSERC

(20066) - GUNFOUNDRY
HYDERABAD ABIDS
Tel: 40-23387330 IFS Code : SBIN0020066

केवल 3 महीने के लिए वैध / VALID FOR 3 MONTHS 62
11 07 2022
D D M M Y Y Y

PAY *Secretary, TSERC*

को या उनके आदेश पर OR ORDER

रुपये RUPEES *Twenty five thousand only.*

अदा करें

₹

25,000-00

05-09-2020

खा. सं.
A/c No.

52117470593

VALID UPTO ₹ 50 LACS AT NON-HOME BRANCH FOR NON-CASH TRANSACTION ONLY

39507471125

CURRENT A/C

PREFIX:
2109100027

Esheemane

CENTRAL POWER DISTRIBUTION ACCOUNTS OFFICER (CPR)

MULTI-CITY CHEQUE Payable at Par at All Branches of SBI

Please sign above

⑈ 259549⑈ 500002317⑈ 002536⑈ 29

Annexure III & IV

Assumptions

Assessment Year

- **FY 2024-25 considered**, as the Solar plants – 1,692 MW NTPC, 1,000 MW NTPC, 1,000 MW SECI and 500 MW NHPC i.e. 4,192 MW solar are expected to be commissioned in FY 25
- **Scenario I** – 4,192 MW Solar excluded || **Scenario II** – 4,192 MW Solar included

Energy Requirement

- FY 23 sales as per ARR filings – FY 25 sales projections done based on the category-wise historical growth rates
- Losses as per the TSERC targets

Energy Availability

- As per ARR FY 23 projections, except the following -
 - Normative Availability for NTPC (SR) Stg III, NTPC Talcher Stg II, NTPC Simhadri, NTPC Kudigi, NTECL Vallur, NLC TN || Hydro 3,500 MU ||
 - 90% for TPCIL
 - NLC TS-II Stg I & II – relinquished
 - Tentative CODs for Upcoming plants – YTPS – Unit I (Mar-23), Unit II (Jan-25)

Power Purchase Cost

- Station-wise VC, FC projections as per ARR FY 23 filings
- Upcoming Solar to be procured at INR 2.60/kWh (weighted average of 4 plants)

Scenario I - Energy Balance (Availability vs Requirement) – FY 2024-25 (Projections)
Excluding 4,192 MW Solar

Particulars	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	Mix (%)
Energy Requirement	7534	6027	5535	7113	9490	7546	7471	7273	8439	9054	7974	9219	92675	
Energy Available	7189	7323	7107	7263	7707	7674	7692	7403	7349	7972	7242	7823	89743	
Energy Dispatch	7189	6027	5535	7113	7707	7546	7471	7273	7349	7972	7242	7823	86246	100%
<i>TSGENCO Thermal</i>	2706	2763	2490	2610	2750	2674	2763	2674	2667	3276	2959	3276	33610	36%
<i>TSGENCO Hydrel</i>	106	56	66	266	592	709	560	374	272	255	158	87	3500	4%
<i>CGS stations</i>	1984	1438	1314	1941	2011	1873	1870	1883	2025	2046	1835	2020	22241	24%
<i>NCES</i>	664	627	630	510	568	562	493	614	599	610	677	654	7208	8%
<i>IPPs (TPCIL)</i>	514	531	514	531	531	514	531	514	531	531	479	531	6251	7%
<i>Singareni</i>	692	73	0	715	715	692	715	692	715	715	646	715	7087	8%
<i>CSPGCL</i>	522	539	522	539	539	522	539	522	539	539	487	539	6350	7%
<i>Other ST sources</i>	346				1783				1090	1082	733	1396	6,429	7%
Energy Surplus		1,296	1,573	150		127	221	130					3,497	

Scenario II - Energy Balance (Availability vs Requirement) – FY 2024-25 (Projections)
Including 4,192 MW Solar

Particulars	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total	Mix (%)
Energy Requirement	7527	6025	5535	7097	9490	7530	7457	7257	8439	9054	7974	9219	92603	
Energy Available	7792	7947	7711	7887	8331	8277	8315	8007	7973	8596	7805	8446	97087	
Energy Dispatch	7527	6025	5535	7097	8331	7530	7457	7257	7973	8596	7805	8446	89578	100%
<i>TSGENCO Thermal</i>	2674	2276	1886	2610	2750	2674	2763	2674	2667	3276	2959	3276	32487	35%
<i>TSGENCO Hydel</i>	106	56	66	266	592	709	560	374	272	255	158	87	3500	4%
<i>CGS stations</i>	1751	1372	1314	1438	2011	1369	1437	1380	2025	2046	1835	2020	19998	22%
<i>NCES</i>	1268	1250	1233	1134	1192	1166	1117	1218	1223	1234	1240	1278	14552	16%
<i>IPPs (TPCIL)</i>	514	531	514	531	531	514	531	514	531	531	479	531	6251	7%
<i>Singareni</i>	692	0	0	578	715	577	510	575	715	715	646	715	6440	7%
<i>CSPGCL</i>	522	539	522	539	539	522	539	522	539	539	487	539	6350	7%
<i>Other ST sources</i>					1159				466	458	169	772	3,025	3%
Energy Surplus	266	1,922	2,176	790		747	858	749					7,509	

□ The above analysis indicates that even after procurement of 4,192 MW solar power, **certain months (Aug, Dec-Mar) will still have energy deficit situation, for which the Discoms would have to depend on the short-term power purchases.**

Power Purchase Cost for 2024-25 – Scenario I (Excl. 4,192 MW) vs Scenario II (Incl. 4,192 MW)

Source	2024-25 (Scenario I)					2024-25 (Scenario II)					Backed Down Quantum (MU)	Increase in per-unit FC (INR/kWh)
	PP MU	PP Cost (INR Cr.)	PP Cost (INR/kWh)	VC (INR/kWh)	FC (INR/kWh)	PP MU	PP Cost (INR Cr.)	PP Cost (INR/kWh)	VC (INR/kWh)	FC (INR/kWh)		
<i>TSGENCO Thermal</i>	33610	16215	4.82	2.72	2.10	32487	15887	4.89	2.72	2.17	1,123	0.07
<i>TSGENCO Hydrel</i>	3500	1352	3.86		3.86	3500	1352	3.86		3.86		
<i>CGS stations</i>	22241	9766	4.39	2.72	1.67	19998	9058	4.53	2.67	1.86	2,243	0.19
<i>NCES</i>	7208	3993	5.54	5.54		14552	5902	4.06	4.06			
<i>IPPs (TPCIL)</i>	6251	2822	4.51	2.31	2.21	6251	2822	4.51	2.31	2.21		
<i>Singareni</i>	7087	3537	4.99	2.99	2.00	6440	3344	5.19	2.99	2.20	646	0.20
<i>CSPGCL</i>	6350	2476	3.90	1.20	2.70	6350	2476	3.90	1.20	2.70		
<i>Other ST purchase</i>	6429	2475	3.85	3.85		3025	1165	3.85	3.85			
<i>Interest on pension bonds</i>		1395					1395					
Total Power Purchase	92,675	44,030	4.75	2.80	1.95	92,603	43,400	4.69	2.74	1.95		

- ❑ The above analysis indicates that **4,012 MU has to be backed down** for procuring 4,192 MW solar power.
- ❑ Though, the **overall power purchase cost is likely to come down (from INR 4.75/kWh to INR 4.69/kWh)** due to procurement of cheaper solar power quantum.



Southern Power Distribution Company of Telangana Limited

#6-1-50, Corporate Office, Mint Compound, Hyderabad 500 063
Phone No.(040) 2343 1008 Fax Nos.(040) 2343 1395/1452 website www.tssouthernpower.com

From
The Chief General Manager (IPC),
TSSPDCL, Corporate Office,
6-1-50, 1st Floor, Mint Compound,
Hyderabad – 500 063.

To
The Commission Secretary,
TSERC, 5th Floor,
Singareni Bhavan, Red Hills,
Hyderabad.

Lr.No.CGM (IPC)/SE(IPC)/F. NTPC&NHPC/D. No. 1340 /21, dt: 07 - 02-2022

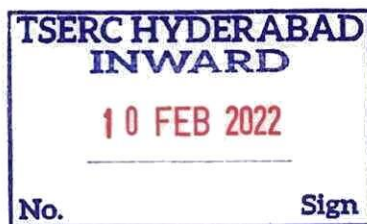
Sir,

Sub: - TSSPDCL – N & RE projects – In-principle approval for procurement of 1000 MW & 500 MW Solar power through NTPC & NHPC respectively under CPSU Phase-II Tranche III – Justification for procurement of solar power as sought by TSERC – Submission – Reg.

- Ref:- 1) Lr.No.Tserc/Secy/JD(TE)/F.No.E-370039/D.No. 596/21,dt :21.12.2021
2) Lr.No.CGM (IPC)/SE(IPC)/F. NTPC CPSU Scheme /D. No. 977/21, dt:10.11.2021
3) Lr.No.Tserc/Secy/JD(TE)/F.No.E-370039/D.No. 460/21,dt :17.09.2021.
4) Lr.No.CGM (IPC&RAC)/SE(IPC)/F. NTPC CPSU Scheme /D. No. 685/21, dt:28.08.2021

--***--

With reference to (1) cited above, the reply in respect of load generation balance by TSDISCOMs to justify the procurement of 1000 MW & 500 MW Solar power through NTPC & NHPC respectively under CPSU Phase-II Tranche III is herewith enclosed to this letter for according in principle approval/consent by Hon'ble Commission.



Yours faithfully,

P.Krishnaiah
Chief General Manager (IPC)
seipctsspdcl@gmail.com
9490603671

Copy submitted to:
The Chief General Manger /IPC/TSNPDCCL/Hanmakonda/Warangal.


REPLY

- (i) TSDISCOMs are obligated to ensure uninterrupted power supply to all categories of consumers, including the Agricultural sector.
- (ii) In addition, huge demand is anticipated from existing and upcoming loads due to Lift Irrigation Projects, agricultural pumpsets, industrial loads etc.,.
- (iii) Solar power capacity, now being proposed to be added, will not only be helpful in meeting the demand during the day, but also be helpful in achieving reduction in overall power purchase price of TSDISCOMs and also procurement of green power as per the targets of GOI.
- (iv) TSDISCOMs have computed the Load Generation balance for Telangana State for the ensuing 10 years i.e. FY 2021-22 to FY 2030-31. For FY 2021-22 and FY 2022-23, TSDISCOMs have considered the Demand-Supply projections as per ARR filings. For the remaining years (i.e. FY 2022-23 to FY 2030-31), TSDISCOMs have estimated Sales projections, and considered tentative station-wise energy availabilities (including availabilities from upcoming stations, and surrendering few CGS stations), to arrive at the projected energy deficit/ surplus for the ensuing years.
- (v) The projected energy surplus/ (deficit) position, for FY 2021-22 to FY 2030-31, for the Telangana state is mentioned below –

Particulars(in MU)	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Energy Availability	75,386	87,288	88,162	90,818	96,130
Energy Requirement	72,178	84,222	88,566	93,001	97,701
Energy Surplus/(Deficit)	3,208	3,066	(404)	(2,183)	(1,571)

Particulars(in MU)	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31
Energy Availability	101,443	106,755	109,411	109,411	109,411
Energy Requirement	102,661	107,900	112,285	116,898	121,753
Energy Surplus/(Deficit)	(1,219)	(1,145)	(2,874)	(7,488)	(12,343)

- (vi) As evident from the abovementioned tables, TSDISCOMs are anticipating energy deficit from FY 2023-24 onwards. Hence, proposed procurement of solar power under CPSU Scheme Phase-II Tranche-III, would help TSDISCOMs to mitigate the energy deficit in the ensuing years, and ensure TSDISCOMs' Power supply commitments to the consumers of Telangana.


CHIEF GENERAL MANAGER
(IPC), TSSPDCL,
Corporate Office, 6-1-50,
Mint Compound, Hyd-500 063



Southern Power Distribution Company of Telangana Limited

#6-1-50, Corporate Office, Mint Compound, Hyderabad 500 063
 Phone No.(040) 2343 1008 Fax Nos.(040) 2343 1395/1452 website www.tssouthernpower.com

From
 The Chief General Manager (IPC),
 TSSPDCL, Corporate Office,
 6-1-50, 1st Floor, Mint Compound,
 Hyderabad – 500 063.

To
 The Commission Secretary,
 TSERC, 5th Floor,
 Singareni Bhavan, Red Hills,
 Hyderabad.

Lr.No.CGM (IPC)/SE(IPC)/F. SECI/D. No. 1406 /21, dt: 19 - 02-2022

Sir,

Sub: - TSSPDCL-RE projects-In-principle approval for procurement of 1000MW Solar power through SECI under ISTS Solar Tranche-IX Scheme – Replies to the information sought by TSERC - Submission – Reg.

Ref:- 1) Lr.No.TSERC/Secy/JD(TE)/F.No.E-404615/D.No. 7/21,dt: 05.01.2022
 2) Lr.No.CGM (IPC)/SE(IPC)/F. SECI /D. No.1144/2021,dt: 20.12.2021

--***--

With reference to (1) cited above, the point-wise replies are herewith submitted as annexure to this letter, in the matter of according in-principle approval/consent for procurement of 1000MW solar power through SECI under ISTS Solar Tranche-IX Scheme with tariff ranging from Rs 2.37/kWh to Rs.2.38/kWh (exclusive of trading margin) with Basic Custom Duty waiver.

Yours faithfully,

P.Krishnaiah
 Chief General Manager (IPC)
 seipctsspdcl@gmail.com
 9490603671

Copy submitted to:
 The Chief General Manger /IPC/TSNPDC/ Hanmakonda/Warangal.

REPLY

a) **TSDISCOMs to submit the copies of correspondence from SECI under ISTS Solar Tranche-IX Scheme vide which the solar power was offered for sale along with trade margin amount to be paid, if any**

Reply: The letters from SECI offering Solar power under ISTS Solar Tranche-IX Scheme are herewith submitted.

b) **TSDISCOMs to submit the copies of correspondence vide which the willingness of TSDISCOMs for procurement of solar power was communicated to SECI.**

Reply: The letters communicating the willingness of TSDISCOMs for procurement of 1000 MW Solar power through SECI under ISTS Tranche-IX scheme are herewith submitted.

c) **TSDISCOMs to substantiate the requirement of the proposed procurement of 1000 MW solar power in terms of Load Generation Balance (alongwith detailed explanation) for the ensuing 10 years.**

Reply: Taking the growing demands of the State into consideration and to meet the additional demand of the Lift Irrigation Projects taken up by the State Govt, DISCOMs have been concluding the agreements to ensure 24 Hr uninterrupted power supply to all the categories of the consumers in the state, including the Agricultural consumers.

Further, while entering the PPAs for purchase of RE power, DISCOMs are also examining the RPPO targets in vogue both at State level & National level.

The RPPO achieved by TSDISCOMs in comparison to the targets notified by MOP, GoI and the State Regulatory Commission are as detailed below:

Year / RPPO	2018-19			2019-20			2020-21			2021-22	
	TSERC	MOP	TSDISCOMs	TSERC	MOP	TSDISCOMs	TSERC	MOP	TSDISCOMs	TSERC	MOP
Solar	5.33	6.75	9.57	5.77	7.25	9.86	6.21	8.75	9.20	7.10	10.5
Non-solar	0.67	10.25	0.83	0.73	10.25	0.67	0.79	10.25	0.79	0.90	10.5
Total	6.0	17	10.4	6.5	17.5	10.53	7.0	19	9.99	8.0	21

It is pertinent to submit that MOP,GoI also issued orders dated 29.01.2021 specifying the Hydro Power Obligation.

Though at present, it is not obligatory for the State DISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be directed to align with the MoP RPPO, in terms of National Tariff Policy. And particularly in view of the proposed Amendment to Section 3 of the Electricity Act 2003, which proposes for notification of National Renewable Energy Policy prescribing uniform purchases from RE sources and for imposing penalties ranging from Rs. 0.25/Kwh to Rs. 2.00/Kwh for non-compliance, it is required that the DISCOMs be prepared to meet the larger

1443578/2022/COMMISSION SECRETARY-TSERC

RPPO targets in phased manner, that may be imposed in future by MOP, GoI on all the states, including the state of Telangana.

It is not out of context to submit that MNRE, GoI addressed the Energy Department, Govt of Telangana, vide D.O letter dated 12.11.2021, stating that based on RE consumption data of FY 2020-21, State of Telangana would be liable for a minimum penalty of Rs.148.1 Crore and a maximum penalty of Rs.296.1 Crore for non-compliance of RPOs. A copy of the letter is attached for ready reference.

TSDISCOMs have computed the Load Generation balance for Telangana State for the ensuing 10 years i.e. FY 2021-22 to FY 2030-31. For FY 2021-22 and FY 2022-23. TSDISCOMs have considered the Demand-Supply projections as per ARR filings. For the remaining years (i.e. FY 2022-23 to FY 2030-31), TSDISCOMs have estimated Sales projections, and considered tentative station-wise energy availabilities (including availabilities from upcoming stations, and surrendering few CGS stations), to arrive at the projected energy deficit/ surplus for the ensuing years.

The projected energy surplus/ (deficit) position, for FY 2021-22 to FY 2030-31, for the Telangana state is mentioned below –

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Energy Surplus/(Deficit)	(1,219)	(1,145)	(2,874)	(7,488)	(12,343)

As evident from the above mentioned tables, TSDISCOMs are anticipating energy deficit from FY 2023-24 onwards. Hence, proposed procurement of solar power under CPSU Scheme Phase-II Tranche-III, would help TSDISCOMs to mitigate the energy deficit in the ensuing years, and ensure TSDISCOMs' Power supply commitments to the consumers of Telangana.

Solar power capacity, now being proposed to be added, will not only be helpful in meeting the demand during the day, but also be helpful in achieving reduction in overall power purchase price of TSDISCOMs and also procurement of green power as per the targets of TSERC/GOI.

d) TSDISCOMs to describe the procurement procedure, proposed to be adopted, including the steps to be taken to ensure that the purchase is made on best possible terms.

1443578/2022/COMMISSION SECRETARY-TSERC

Reply: Solar Energy Corporation of India Limited (SECI) has been identified by the Govt of India as the nodal agency for implementation of MNRE Scheme for setting up of ISTS connected Solar Power Projects and shall act as the Intermediary Procurer under the Guidelines for Tariff Based Competitive Bidding Process for procurement of power Grid connected Solar Power Projects issued by Ministry of Power vide Gazette Resolution dated 3rd August 2017.

In line with the MoP guidelines for selection of Solar Power Developers (SPDs) through Tariff based Competitive Bidding, SECI issued Request for Selection (RfS) for procurement of 2000 MW Solar Power vide RfS No. SECI/C&P/SPD/ISTS-IX/RfS/2000MW/03/2020 dated 20.03.2020.

As such the SPDs alongwith the tariff offered by SECI is discovered through tariff based competitive bidding process as per the guidelines issued by MoP inline with the National Tariff Policy, which mandates for procurement of RE power through Competitive Bidding process.

e) TSDISCOMs to submit the details of the generating stations, in the below format, from which the solar power has been offered

Offer	Name of the generating station	Location	Installed capacity (MW)	COD	Offered Capacity (MW)	Tariff (Rs./kWh)	Trading Margin (Rs./kWh)
SECI Offer							

Reply: The Power Sale Agreement is proposed to be entered with SECI post in-principle approval for the procurement by Hon'ble TSERC. As such, the details of the Solar Power Developers, capacity allocation from plants alongwith location of plants and scheduled COD details would be communicated by SECI while signing of PSA. The proposed trading margin is Rs.0.07/Kwh.

f) TSDISCOMs to demonstrate that the proposed procurement is the least cost option, with reference to the economic, technical, system and environmental aspects of commercially viable alternatives, including arrangements for reducing the level of demand

Reply: The country has made a commitment of setting up of 1,75,000 MW of RE capacity by 2022 with the primary aim of reducing greenhouse gas emission through increased use of green energy. Out of which, a target of 100 GW is earmarked for Solar capacity. The Hon'ble Prime Minister has further set a target for achieving 500 GW capacity from non-fossil fuels (including RE) by the year 2030.

1443578/2022/COMMISSION SECRETARY-TSERC

Accordingly, Ministry of Power notified Long term growth trajectory of Renewable Purchase Obligations (RPOs) for Solar as well as Non-Solar for three years period from 2019-20 to 2021-22, which are as under –

MoP Long term RPO trajectory	2019-20	2020-21	2021-22
Non-Solar	10.25%	10.25%	10.50%
Solar	7.25%	8.75%	10.50%
Total	17.50%	19.00%	21.00%

TSERC also issued Renewable Power Purchase Obligation (RPPO) Regulation (No. 2 of 2018), effective from 01.04.2018, which mandates purchases from Renewable Energy Sources expressed as a percentage of total consumption of energy (in MU) by TSDISCOMs, during FY 2018-19 to FY 2021-22 as specified below :

Year/RPPO	2018-19	2019-20	2020-21	2021-22
Solar	5.33%	5.77%	6.21%	7.10%
Non-solar	0.67%	0.73%	0.79%	0.90%
Total	6.0%	6.5%	7.0%	8.0%

These RPPO targets are further likely to be enhanced as the targeted RE capacity addition is revised to 500 GW by 2030.

Though at present, it is not mandatory for the State DISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be directed to align with the MoP RPPO, in terms of National Tariff Policy. And particularly in view of the proposed Amendment to Section 3 of the Electricity Act 2003, which proposes for notification of National Renewable Energy Policy prescribing uniform purchases from RE sources and for imposing penalties for non-compliance, it is required that the DISCOMs are prepared to meet the larger RPPO targets.

Further, in view of the increasing loads (such as upcoming Lift Irrigation projects, agricultural pumpsets, additional industrial loads etc.) on TSDISCOMs, the requirement for purchase of RE power needs to be enhanced for meeting proportionate increase in RPPO %.

It is pertinent to submit that as per commitment from SPDs, the SPDs will provide the waiver on claim of Basic Custom Duty (up to 40% on Solar Module & 25% on Solar Cell).

Besides, in the commercial perspective, the offered tariff @ Rs. 2.37 & Rs.2.38 per Kwh by SECI is very competitive. As such, this procurement of 1000 MW of Solar power @ Rs.2.37 & Rs.2.38 per Kwh would help TSDISCOMs in reducing the average procurement cost of power.

MOP, vide orders dated 23.11.2021, granted waiver of inter-state transmission charges for transmission of electricity generated from the Solar power projects commissioned upto 30.06.2025. This is an additional financial gain to TSDISCOMs.

Summing up, TSDISCOMs are benefited as under :

- i. Meeting the growing demand ;
- ii. Saving on power costs ;
- iii. Help meeting the Renewable Purchase Obligations (RPOs) ;
- iv. Adding green portfolio to sources of power.

g) TSDISCOMs to submit the copies of relevant tariff adoption orders of CERC for the sale of power offered by SECI under ISTS Solar Tranche-IX

Reply: It has been informed by SECI that they had already filed petition for adoption of tariff with CERC. As such, the tariff adoption orders of CERC for sale of power offered by SECI would be furnished as and when the CERC issues the order.

fair copies

24

**TELANGANA STATE POWER COORDINATION COMMITTEE
VIDYUT SOUDHA::HYDERABAD**

From
The Joint Managing Director
(Finance, Comml & HRD),
TSTRANSCO,
Vidyut Soudha,
Hyderabad -500 082.

To
The General Manager,
Power Trading Department,
Solar Energy Corporation of India Ltd,
6th Floor, Plate-B, NBCC Office Block
Tower-2, East Kidwai Nagar,
New Delhi - 110023.

Lr. No. JMD/ED(Comml)/SE(IPC)/DE-2/RE/F.122 Solar/ D.No. 327 /21, Dt: 02.12.2021
Sir,

Sub: TSPCC – IPC – RE Projects – Proposal for procurement of ISTS connected Solar power from SECI's Schemes – Consent for procurement of 1000 MW Solar power – Reg.

Ref: Lr.No.SECI/PT/TSPCC/Solar/2021/45260, dated 07.10.2021.

* * *

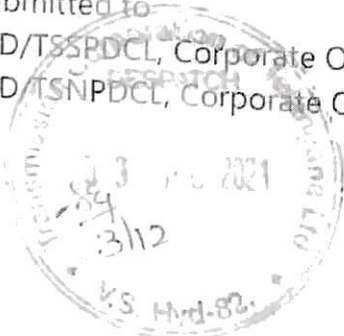
Referring to your letter cited above, regarding proposal for procurement of Solar power from ISTS connected Solar power projects from various schemes, this is to inform that consent is hereby conveyed on behalf of TSDISCOMs, for purchase of 1000 MW Solar power under ISTS Solar Tranche-IX scheme with tariff ranging from Rs. 2.37/Kwh to Rs. 2.38/Kwh (sl.no. 4 to 7 in the proposal letter dated 07.10.2021) (exclusive of trading margin) with Basic Customs Duty waiver.

Yours faithfully,



JMD (Fin, Comml & HRD)/TSTRANSCO

Copy submitted to
The CMD/TSSPDCL, Corporate Office, Mint Compound, Hyderabad.
The CMD/TSNPDCL, Corporate Office, Vidyut Bhavan, Warangal.





सोलर एनर्जी कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उपक्रम)
Solar Energy Corporation of India Ltd.
(A Government of India Enterprise)

स्वच्छ भारत - स्वच्छ ऊर्जा



No. SECI/PT/TSPCC/SOLAR/2021/45260

Date: 07.10.2021

To
The Joint Managing Director
(Finance, Commercial & HRD/TSTRANSCO)
Telangana State Power Coordination Committee (TSPCC)
Vidyut Soudha
Khairathabad Hyderabad-500 082
Telangana

JMC (Fin Comm & HRD)
TSTRANSCO.
Inward No. 5758
18 OCT 2021
LGM
FA/CA
Dy. Secy
CEO
GE
COM
Joint Secretary
Secy (Fin)

Subject: Procurement of ISTS Connected Solar Power from SECI's Schemes - Regarding

Ref:

- 1) SECI Letter No. SECI/PT/1200MW/Solar/2021/40790 dated 07.01.2021
- 2) SECI Letter No. SECI/PT/TSPCC/SOLAR/2021/44075 dated 16.08.2021
- 3) SECI Letter No. SECI/PT/TSPCC/SOLAR/2021/ 44336 dated 02.09.2021
- 4) SECI Letter No. SECI/PT/TSPCC/SOLAR/2021/ 44499 dated 08.09.2021
- 5) SECI Letter No. SECI/PT/TSPCC/SOLAR/2021/ 44549 dated 09.09.2021
- 6) SECI Letter No. SECI/PT/TSPCC/SOLAR/2021/ 44702 dated 08.09.2021
- 7)

J.D. / Comm / TSPCC
Inward No. 1643
20 OCT 2021
SE/Comm.
ED/Comm./TSPCC

Sir,

Concerning the Sl. No. 6, SECI offered TSPCC for the procurement of Solar Power for below mentioned ISTS Solar Tranches.

In continuation to the above, SECI received request letters for waiver under change in Law on account of BCD from some developers. SECI is offering solar power from following schemes available as mentioned below:

Sl. No.	Status	Scheme	Capacity (MW)	Tariff (INR/ kWh) *
1	BCD Waiver available	ISTS-Solar-Tranche VIII	300 MW	2.50
2			100 MW	2.50
3			200 MW	2.51
4			300 MW	2.37
5		ISTS-Solar-Tranche IX	300 MW	2.37
6			100 MW	2.37
7			300 MW	2.38
8			1050 MW	2.54
9	BCD Waiver not available	Manufacturing linked Solar Scheme (Tranche-I)		
10		ISTS-Solar-Tranche VIII	600 MW	2.50
		ISTS-Solar-Tranche IX	150 MW	2.36

DE/201-2

Handwritten notes and signatures: J. Sathyanarayana, ADE-1, P. Chakrabarti, etc.

पंजीकृत कार्यालय : 6 वीं मंजिल, प्लेट-बी, एनबीसीसी कार्यालय ब्लॉक टावर-2
पूर्वी किदवाई नगर नई दिल्ली-110023

दूरभाष/Phone : (011) 24666200, ई-मेल/Email : corporate@seci.co.in, वेबसाइट/Website: www.seci.co.in

सीआईएन/CIN : U40106DL2011GOI225263

Regd. Office : 6th Floor, Plate-B, NBCC Office Block Tower-2,
East Kidwai Nagar, New Delhi-110023

* The Tariffs indicated above are excluding trading margin of SECI @ INR 0.07/ kWh. For SI No. 1 to 8, no Change in Law impact on account of imposition of BCD will be claimed by either party as per MNRE OM No. 283/3/2018-GRID SOLAR dated 09.03.2021.

Accordingly, it is again requested that above offered ISTS Connected Solar Power may be accepted and TSPCC may indicate its consent for procurement of Power from any scheme as per the list indicated above on merit order basis at earliest, preferably by 14th October 2021. As SECI is offering these available powers to all the Buying Utilities, the Power with lowest tariff will be allocated based on first-come first-served basis.

Thanking you,

Yours faithfully,



07.10.2021

(Atulya Kumar Naik)
General Manager
Power Trading Department




Southern Power Distribution Company of Telangana Limited

#6-1-50, Corporate Office, Mint Compound, Hyderabad 500 063
 Phone No.(040) 2343 1008 Fax Nos.(040) 2343 1395/1452 website www.tssouthernpower.com

From
 The Chief General Manager (IPC),
 TSSPDCL, Corporate Office,
 6-1-50, Ground Floor, Mint Compound,
 Hyderabad – 500 063.

To
 The Commission Secretary,
 TSERC, 5th Floor,
 Singareni Bhavan, Red Hills,
 Hyderabad.

Lr.No.CGM (IPC)/SE(IPC)/F. NTPC CPSU Scheme /D. No. 977 /21, dt:10- 11-2021
 Sir,

Sub: - TSSPDCL –RE projects – Procurement of 1000 MW & 500 MW Solar power through NTPC & NHPC respectively under CPSU Scheme Phase - II Tranche III – In-principle approval sought from TSERC – Additional information sought by TSERC – Replies – Submission – Reg.

Ref:- 1.Lr.No.Tserc/Secy/JD(TE)/F.No.E-370039/D.No. 460/21,dt :17.09.2021.

--***--

With reference to letter cited above, the point-wise replies are herewith annexed to this letter, in the matter of according in principle approved/consent to the purchase of 1000 MW & 500 MW Solar power through NTPC & NHPC respectively under CPSU Scheme Phase -II Tranche III.



Yours faithfully,

P.Krishnaiah

Chief General Manager (IPC)
 seipctsspdcl@gmail.com
 9490603671

Copy submitted to:
 The Chief General Manger /IPC/TSNPDC/ Hanmakonda/Warangal.

ANNEXURE

a) TSDISCOMs to submit the copies of correspondence from NTPC and NHPC vide which the solar power was offered for sale

Reply:

The letters of NTPC and NHPC offering Solar power under CPSU Scheme Phase-II Tranche-III are herewith furnished.

b) TSDISCOMs to submit the copies of correspondence vide which the willingness of TSDISCOMs for procurement of solar power was communicated to NTPC and NHPC

Reply:

The letters communicating the willingness of TSDISCOMs for procurement of Solar power through NTPC & NHPC under CPSU Scheme Phase-II Tranche-III are herewith submitted.

c) TSDISCOMs to substantiate the requirement of the proposed procurement of 1000 MW and 500 MW solar power in terms of Load Generation Balance (alongwith detailed explanation) for the ensuing 10 years

Reply:

Taking the growing demands of the State into consideration and to meet the additional demand of the Lift Irrigation Projects taken up by the State Govt, DISCOMs have been concluding the agreements to ensure 24 Hr uninterrupted power supply to all the categories of the consumers in the state, including the Agricultural consumers.

Further, while entering the PPAs for purchase of RE power, DISCOMs are also examining the RPPO targets in vogue both at State level & National level.

The RPPO achieved by TSDISCOMs in comparison to the targets notified by MOP, GoI and the State Regulatory Commission are as detailed below:

Year / RPPO	2018-19			2019-20			2020-21			2021-22	
	TSE RC	MOP	TSDISCO Ms	TSE RC	MOP	TSDISCOMs	TSE RC	MOP	TSDISCOMs	TSE RC	MOP
Solar	5.33	6.75	9.57	5.77	7.25	9.86	6.21	8.75	9.20	7.10	10.5
Non-solar	0.67	10.25	0.83	0.73	10.25	0.67	0.79	10.25	0.79	0.90	10.5
Total	6.0	17	10.4	6.5	17.5	10.53	7.0	19	9.99	8.0	21

It is pertinent to submit that MOP, GoI also issued orders dated 29.01.2021 specifying the Hydro Power Obligation.

Though at present, it is not obligatory for the State DISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be directed to align with the MoP RPPO, in terms of National Tariff Policy. And particularly in view of the proposed Amendment to Section 3 of the Electricity Act 2003, which proposes for notification of National Renewable Energy Policy prescribing uniform purchases from RE sources and for imposing penalties ranging from Rs. 0.25/Kwh to Rs.

1321763/2021/COMMISSION SECRETARY-TSERC

2.00/Kwh for non-compliance, it is required that the DISCOMs be prepared to meet the larger RPP0 targets in phased manner, that may be imposed in future by MOP, GoI on all the states, including the state of Telangana.

Further, in view of the increasing loads estimated at 8% growth annually (such as upcoming Lift Irrigation projects, agricultural pumpsets, additional industrial loads etc.) on TSDISCOMs, the requirement for purchase of RE power needs to be enhanced for meeting proportionate increase in RPP0 %.

d) TSDISCOMs to describe the procurement procedure, proposed to be adopted, including the steps to be taken to ensure that the purchase is made on best possible terms

Reply:

MNRE has issued the "Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW grid-connected Solar Photovoltaic (PV) Power Projects by the Government Producers with Viability Gap Funding (VGF) support for self-use or use by Government/Government entities, either directly or through Distribution Companies (DISCOMS)" vide No. 302/4/2017-GRID SOLAR dated 05.03.2019. These Guidelines have been issued under the provisions of Section 63 of the Electricity Act, 2003 for long term procurement of electricity by the 'Procurers', from grid-connected Solar PV Power Projects. 12,000 MW capacity is proposed to be added in 4 years period i.e. from FY 2019-20 to FY 2022-23.

As part of the Government of India's target to achieve a cumulative capacity of 100 GW Solar PV installation by the year 2022, IREDA invited proposals for setting up of Grid Connected Solar PV projects anywhere in India on "Build Own Operate" (B-O-O) basis for an aggregate capacity of 5,000 MW under CPSU Phase-II (Tranche-III) vide RfS No. 23016/1/2020- IREDA/RfS/5,000 MW/012021. IREDA would award the projects to the successful bidder(s) selected after e-RA in line with provisions of RfS. Bidding process for Projects under the said RfS is under Domestic Content Requirement (DCR) category only.

Accordingly, IREDA has concluded the e-Reverse Auction for installation of 5000 MW Grid connected Solar PV projects under CPSU Scheme Phase-II Tranche-III on 23.09.2021. It is learnt that 1000 MW has been allocated to NHPC and 1900 MW to NTPC. The Letter of Awards are yet to be issued by IREDA to NTPC/NHPC.

As could be seen from the above that NHPC/NTPC has been allocated Solar power by MNRE under CPSU scheme as per guidelines issued by MoP is inline with the National Tariff Policy, which mandates for procurement of RE power through Competitive Bidding process.'

e) TSDISCOMs to submit the details of the generating stations, in the below format, from which the solar power has been offered

Reply:

As submitted above, IREDA has concluded the e-Reverse Auction for installation of 5000 MW Grid connected Solar PV projects under CPSU Scheme Phase-II Tranche-III on 23.09.2021. It is learnt that 1000 MW has been allocated to NHPC and 1900 MW to NTPC. The Letter of Awards are yet to be issued by IREDA to NTPC/NHPC.

The tendering process for awarding of EPC contract by NHPC/NTPC is yet to be concluded. As such the details of proposed Solar PV generating stations viz., capacity, location etc., would be known after the completion of tendering process.

1321763/2021/COMMISSION SECRETARY-TSERC

In this regard, it is requested to kindly note that the ceiling tariff offered by NHPC/NTPC under CPSU Scheme Phase-II Tranche-III is Rs. 2.45/Kwh and there is no levy of trading margin.

f) TSDISCOMs to demonstrate that the proposed procurement is the least cost option, with reference to the economic, technical, system and environmental aspects of commercially viable alternatives, including arrangements for reducing the level of demand

Reply:

The country has made a commitment of setting up of 1,75,000 MW of RE capacity by 2022 with the primary aim of reducing greenhouse gas emission though increased use of green energy. Out of which, a target of 100 GW is earmarked for Solar capacity.

Accordingly, Ministry of Power notified Long term growth trajectory of Renewable Purchase Obligations (RPOs) for Solar as well as Non-Solar for three years period from 2019-20 to 2021-22, which are as under –

MoP Long term RPO trajectory	2019-20	2020-21	2021-22
Non-Solar	10.25%	10.25%	10.50%
Solar	7.25%	8.75%	10.50%
Total	17.50%	19.00%	21.00%

TSERC also issued Renewable Power Purchase Obligation (RPPO) Regulation (No. 2 of 2018), effective from 01.04.2018, which mandates purchases from Renewable Energy Sources expressed as a percentage of total consumption of energy (in MU) by TSDISCOMs, during FY 2018-19 to FY 2021-22 as specified below :

Year/RPPO	2018-19	2019-20	2020-21	2021-22
Solar	5.33%	5.77%	6.21%	7.10%
Non-solar	0.67%	0.73%	0.79%	0.90%
Total	6.0%	6.5%	7.0%	8.0%

These RPPO targets are further likely to be enhanced as the targeted RE capacity addition is being revised to 450 GW by 2030 (350 GW Solar and 100 GW Non-Solar).

Though at present, it is not mandatory for the State DISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be directed to align with the MoP RPPO, in terms of National Tariff Policy. And particularly in view of the proposed Amendment to Section 3 of the Electricity Act 2003, which proposes for notification of National Renewable Energy Policy prescribing uniform purchases from RE sources and for imposing penalties for non-compliance, it is required that the DISCOMs are prepared to meet the larger RPPO targets.

Further, in view of the increasing loads estimated at 8% growth annually (such as upcoming Lift Irrigation projects, agricultural pumpsets, additional industrial loads etc.) on TSDISCOMs, the requirement for purchase of RE power needs to be enhanced for meeting proportionate increase in RPPO %.

The CPSU (Central Public Sector Undertaking) scheme under which the present procurement of Solar power from NTPC is being made mandates the use of both Solar Photovoltaic (SPV) cells and modules manufactured domestically as per specifications and testing requirements fixed by MNRE. As such the scheme encourages indigenous production promoting 'Make in India'.

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It is pertinent to submit that the Solar power offered by other agencies, viz., SECI under the manufactured linked scheme which mandates for indigenous SPV cells & modules is higher than the tariff offered by NHPC/NTPC. The tariff offered by SECI was Rs.2.54/Kwh. The letter from SECI is herewith enclosed for ready reference. Also, it may kindly be noted that for the Solar power offered other than manufactured linked scheme, imposition of levy of 40% Basic Customs Duty needs to be taken into consideration, which is not applicable for DCR.

Besides, in the commercial perspective, the offered tariff @ Rs. 2.45 per Kwh by NTPC is well below the present pooled cost of power purchases, viz., Rs. 4.32 per Kwh (determined by TSERC for the FY 2020-21 to be considered for FY 2021-22). As such, this procurement of aggregated capacity of 1500 MW (500 MW through NHPC & 1000 MW through NTPC) of Solar power @ Rs.2.45 per Kwh would help TSDISCOMs in reducing the average procurement cost of power.

MOP, vide orders dated 15.01.2021 & 21.06.2021, granted exemption on levy of inter-state transmission charges for transmission of electricity generated from the Solar power projects commissioned under "MNRE's Central Public Sector Undertaking (CPSU) Scheme Phase-II". This is an additional financial gain to TSDISCOMs.

It may be observed that the tariff below Rs.3.00 per unit (with exemption of ISTS charges) is the most economical tariff for DISCOMs.


Summing up, by availing power through the CPSU scheme, TSDISCOMs are benefited as under :

- (a) Promote 'Make in India' scheme ;
- (b) Saving on power costs ;
- (c) Help meeting the Renewable Purchase Obligations (RPOs) ;
- (d) Adding green portfolio to sources of power.

g) TSDISCOMs to submit the copies of relevant tariff adoption orders of CERC for the sale of power offered by NTPC and NHPC

Reply:

It is submitted that the finalization of tendering process by NTPC/NHPC for awarding EPC contract is awaited and so as the signing of Power Usage Agreements. As such, the tariff adoption orders of CERC for sale of power offered by NTPC and NHPC would be furnished as and when the same are communicated by NTPC/NHPC.


CHIEF GENERAL MANAGER
 (IPC), TSSPDCL,
 Corporate Office, 6-1-50,
 Mint Compound, Hyd-500 063

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एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)

NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय / Corporate Centre

CC/CD/Solar/CPSU, Phase-II, Tranche-III
Date: 18.05.2021

To,
The Joint Managing Director (Fin., Commercial & HRD)
TSTRANSCO Member (TSPCC),
Vidyut Soudha, Khairatabad,
Hyderabad-500082

Sub: Expression of Interest for availing Solar Power under CPSU Scheme

- Ref: 01. RfS document published by IREDA (No 23016/1/2020-IREDA/RfS/5000MW/012021 dtd 29.01.2021) for selection of Solar Power Developers for Setting up of 5,000 MW Grid Connected Solar PV Power Projects in India (Tranche-III) under Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme)
02. NTPC request letter dated 17.02.2021 for Expression of Interest for availing Solar Power under CPSU Scheme
03. Your letter dated 27.02.2021 for consent for procurement of 1000 MW power from the scheme.
04. NTPC letter dated 20.04.2021 informing withdrawal of the offer.
05. Corrigendum dated 14.05.2021 issued by IREDA containing the amendment to the conditions of the RfS floated & extension of deadlines for submission of responses to RfS for 5,000 MW grid connected solar power projects (Tranche-III) in India under CPSU scheme Phase-II.

Sir,

This has reference to the RfS of IREDA based on the Guidelines issued by MNRE vide No. 302/4/2017-GRID SOLAR dated 05.03.2019, wherein bids are invited from the interested Government Producers with Viability Gap Funding (VGF) support and other referred letters as mentioned above.

In response to our request for EoI for availing Solar Power under CPSU Scheme TSPCC vide the letter dated 27.02.2021, had expressed willingness for procurement of 1000 MW from the said scheme.



एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)
NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय/ Corporate Centre

Subsequently NTPC vide letter dated 20.04.2021 has informed TSPCC about the withdrawal of the offer letter dtd. 17.02.2021 of NTPC as the ceiling price was under review. Further NTPC also indicated that NTPC would seek fresh consent from TSPCC based on the revised bids of IREDA.

Now, IREDA vide corrigendum dated 14.05.2021 (Attached as the annexure) has revised the ceiling usage charges to Rs 2.45/kWh.

In view of the above RfS of IREDA read with corrigendum, the power generated by the projects selected under this bid shall be used by Government / Government entities, either directly or through DISCOMs on payment of mutually agreed usages charges not exceeding Rs.2.45/kWh. The said value shall be exclusive of any other third party charges like wheeling and transmission charges and losses, point of connection charges and losses, cross-subsidy surcharges, SLDC/RLDC charges etc. as may be applicable.

The proposed projects are required to be developed with Domestic Content Requirement (DCR). Waiver of ISTS charges for use of ISTS network, if any, shall be available to Projects, as per relevant orders/guidelines issued by MoP.

NTPC is considering for participation in the above bid. BID submission date is 31.05.2021. It is therefore, requested that TSPCC may indicate the desired quantum and willingness to avail the power through NTPC, at the earliest.

Assuring you of our best services towards increased RE deployment in your State.

Thanking you,

Yours Sincerely

(E Prabhakara Rao)
Addl. General Manager (Commercial)

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NH/Comml PT/CPSU/2021/26

18.05.2021

Chairman & Managing Director,
Transmission Corporation of Telangana Limited,
Vidyut Soudha, Khairatabad
Hyderabad -500082
Email: cmd@tstransco.in

Sub: Consent for Procurement of Solar Power from NHPC Limited under Central Public Sector Undertaking (CPSU) Scheme Phase-II of MNRE, Govt of India.

Sir,

NHPC Limited is a Premier CPSU (Miniratna Category—I) in the country engaged in development of clean power through Hydro & other sources of Renewable Energy and has commissioned 24 Projects till date with aggregate installed capacity of 7071.2 MW including JV, Solar and Wind. Diversifying into the Renewable Energy Sector, NHPC has already commissioned a 50 MW Solar Power Project in Tamilnadu and a 50 MW Wind Power Project in Rajasthan. Further, NHPC is in the process of development of more than 5000 MW utility Solar Power Projects including development of Solar Parks/Ultra Mega Renewable Energy Power Parks (UMREPPs) in various other states of India.

Besides above, NHPC has also been designated by Ministry of New and Renewable Energy (MNRE), Govt of India as "Implementing Agency for Renewable Energy Projects" and has already awarded 2000 MW Solar Power projects in Developer Mode (As an Intermediary Procurer) being developed in Rajasthan. The Power Sale Agreements (PSA) for long term period have been signed with many State Discoms for availing the RE Power. The projects are envisaged to be completed by March, 2022.

As part of the Government of India's target to achieve a cumulative capacity of 100 GW Solar PV installation by the year 2022 under National Solar Mission, MNRE has issued the "Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW grid-connected Solar Photovoltaic (PV) Power Projects with Viability Gap Funding (VGF) support for self-use or use by Government/Government entities, either directly or through Distribution Companies (DISCOMS).

Now, IREDA has issued Request for Selection (RfS) Document (RfS No 23016/1/2020- IREDA/RfS/5000 MW/ 012021 dated: 29/01/2021) for Selection of Solar Power Developers for Setting up of 5,000 MW Grid Connected Solar PV Power Projects in India (Tranche-III) under Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme). Subsequent to the issue of its amendments in CPSU Scheme by MNRE on 10.05.2021, IREDA on 14.05.2021 has issued corrigendum to above tender in line with amendments issued by MNRE and has extended the last date of bid submission up to 31.05.2021.

NHPC as a Solar Power Implementing Agency is going to participate for setting up of 500 MW Solar Power Project under CPSU Scheme in aforesaid tender /RfS of IREDA.

Contd...

Page 1/4



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Continuation Sheet

As per IREDA notification, Power generated from above Projects shall be solely for self-use or use by Government/ Government entities, either directly or through Discoms on payment of mutually agreed usages charges of not more than **Rs. 2.45/kWh (Ex-bus bar) which shall be exclusive of any other third party charges like wheeling and transmission charges and losses, point of connection charges and losses, cross-subsidy surcharges, State Load Dispatch Centre (SLDC)/ regional Load Dispatch Centre (RLDC) Charges etc.**

After obtaining allocation from IREDA, the EPC bid shall be invited by NHPC for the allocated capacity on "Build Own Operate" (B-O-O) basis & we are sure that our cost would be the most competitive in the industry. Our charges shall be below than **Rs. 2.45/kWh** as notified by IREDA. Considering 30 months for commissioning of projects from the date of LOA issued by IREDA (tentatively by August, 2021), the likely date of commissioning of 500 MW capacity would be February-2024. The Gist of main provisions/conditions of RfS Document Issued by IREDA under CPSU Scheme is attached as Annexure-I

NHPC being a premier organization in Power Sector is committed for development of renewable energy, we hope that your organization will help in National Solar Mission (NSM) for development, promotion and commercialization of solar energy technologies in the country by procuring solar power which is less costly & renewable thereby supporting RPO compliances too.

Therefore, NHPC hereby kindly request your good self to give consent for procurement of solar power from NHPC under CPSU Scheme **on or before 25.05.2021**. Bucket of 500 MW shall be filled on receipt of consent from willing Discoms / Buying Utilities on First Come First Serve Basis.

Thanking you with regards,

Yours faithfully

(S P Rathour)

General Manager (Commercial)

Commercial Division

Email- nhpc-pt@nhpc.nic.in

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एनटीपीसी लिमिटेड
(भारत सरकार का उद्यम)

NTPC Limited
(A Govt. of India Enterprise)

केन्द्रीय कार्यालय/ Corporate Centre

CC/CD/Solar/CPSU,Phase-II,Tranche-III

Date:20.04.2021

To

Joint Managing Director(Fin., Commercial & HRD)
TSTRANSCO Member (TSPCC)
Vidyut Soudha, Khairatabad
Hyderabad-500082

Sub: Expression of Interest for availing Solar Power under CPSU Scheme

Ref: NTPC letter CC/CD/Solar/CPSU,Phase-II,Tranche-III, Dated:17.02.2021 and your consent vide letter dated 27.02.2021.

Sir,

This has reference to the RfS document published by IREDA (No 23016/1/2020-IREDA/RfS/5000MW/012021 dtd 29.01.2021) for selection of Solar Power Developers for Setting up of 5,000 MW Grid Connected Solar PV Power Projects in India (Tranche-III) under Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme), wherein bids are invited from the interested Government Producers with Viability Gap Funding (VGF) support.

NTPC vide letter dated 17.02.2021 (CC/CD/Solar/CPSU,Phase-II,Tranche-III) requested TSPCC for indicating Expression of Interest that may enable NTPC to participate in the said bids. In response, TSPCC vide letter dated 27.02.2021 expressed its willingness and indicated 1000 MW of Solar Power that NTPC may consider while participating in the bid.

As per the RfS, Power usage charges of Rs. 2.20/kWh has been indicated as the ceiling charges and the original Bid Submission date was mentioned as 04.03.2021. The Bid Submission Date has subsequently been extended by IREDA. It is understood that the ceiling price is under review, hence our letter dated 17.02.2021 indicating ceiling tariff as Rs. 2.20/kWh stands withdrawn. We will seek your fresh consent based on the revised ceiling Tariff as and when communicated by IREDA.

Thanks for all the support.

Yours Sincerely

(E Prabhakara Rao)

Additional General Manager (Commercial)

TELANGANA STATE POWER COORDINATION COMMITTEE
VIDYUT SOUDHA::HYDERABAD

From
Member TSPCC &
The Joint Managing Director
(Finance, Commercial & HRD),
TSTRANSCO,
Vidyut Soudha,
Hyderabad -500 082.

To
The General Manager (In-charge),
Renewable Energy Division,
NHPC Limited,
NHPC Office Complex, Sector-33,
Faridabad - 121003,
Haryana.

Lr. No.JMD/ED(Comml)/SE(IPC)/DE-2/RE/F.117 Solar/ D.No. 241 /21, Dt: 28.04.2021

Sir,

Sub: TSPCC - IPC - RE Projects - Proposal for sale of Solar power by NHPC Limited under CPSU Scheme Phase-II Tranche-III of MNRE at a tariff below Rs. 2.20/Kwh - Consent - Communicated - Reg.

Ref: 1. NHPC letter No. NH/RE/2021/363-393, dated:13.01.2021.
2. NHPC letter No. NH/RE CELL/CPSU/2021/394, dated:09.02.2021.

This has reference to your proposal for procurement of Solar power through NHPC under MNRE CPSU Scheme Phase-II Tranche-III, at a tariff below Rs.2.20/Kwh.

In this connection, keeping the increasing demand in view, TSDISCOMs hereby convey consent for procurement of 1000 MW Solar power through NHPC under CPSU Scheme Phase-II Tranche-III at a tariff below Rs. 2.20/Kwh.

Yours faithfully,

JMD (Fin, Comml & HRD)/TSTRANSCO

Copy submitted to
The Chairman & Managing Director/TSSPDCL, Corporate Office, Mint Compound, Hyd.
The Chairman & Managing Director /TSNPDC, Vidyut Bhavan, Warangal.

Copy
INV.

OK

13/4/21

V.S.



एन एच पी सी लिमिटेड
(भारत सरकार का उद्यम)

NHPC Limited

(A Government of India Enterprise)

NH/RE/2021/363-393



फोन/Phone :

दिनांक/Date: 13-01-2021

Inward No. 2109

27 JAN 2021

SE/Compt.

Chairman & Managing Director,
Transmission Corporation of Telangana Limited,
Vidyut Soudha, Khairatabad
Hyderabad -500082

Sub. Proposal for Sale of Solar Power by NHPC Limited under CPSU Scheme of MNRE

Sir,

NHPC Limited is a Premier Central PSE (Miniratna Category-I) in the country engaged in development of clean power through Hydro & other sources of Renewable Energy and has commissioned 24 Projects till date with aggregate installed capacity of 7071.2 MW including JV, Solar and Wind. Diversifying into the Renewable Energy Sector, NHPC has already commissioned a 50 MW Solar Power Project in Tamilnadu and a 50 MW Wind Power Project in Rajasthan. Further, NHPC is in the process of development of more than 5000 MW utility Solar Power Projects including development of Solar Parks/Ultra Mega Renewable Energy Power Parks (UMREPPs) in various other states such as Kerala, Odisha, Telangana, Uttar Pradesh, Rajasthan, Bihar etc.

Besides above, NHPC has also been designated by Ministry of New and Renewable Energy (MNRE) as Implementing Agency for Renewable Energy Projects and has already awarded 2000 MW Solar Power projects in Developer Mode (As an intermediary procurer) being developed in Rajasthan. The Power Sale Agreements (PSA) have been signed with many State Discoms for availing the RE Power. The projects are envisaged to be completed by March, 2022.

As part of the Government of India's target to achieve a cumulative capacity of 100 GW Solar PV installation by the year 2022 under National Solar Mission, MNRE has issued the "Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW grid-connected Solar Photovoltaic (PV) Power Projects by the Government Producers with Viability Gap Funding (VGF) support for self-use or use by Government/Government entities, either directly or through Distribution Companies (DISCOMS).

Recently, IREDA has issued a notification intimating its intention for initiating the process for selection of Government producers for setting up of 05 GW (5,000 MW) capacity of solar PV projects under Tranche-III of CPSU Scheme. The tender/Request for Selection (RfS) document is expected to be issued by January 23, 2021.

-----contd.-----

पंजीकृत कार्यालय : एन एच पी सी ऑफिस कॉम्प्लेक्स, सेक्टर-33, फरीदाबाद - 121 003, हरियाणा
regd. Office : NHPC Office Complex, Sector-33, Faridabad - 121 003, Haryana
CIN : L40101HR1975GOI032564; Website : www.nhpcindia.com
E-mail : webmaster@nhpc.nic.in; EPABX No. : 0129-2588110/2588500

संबंधित शिकायतों के लिए 1912 डायल करें। Dial 1912 for Complaints on Electricity



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Continuation Sheet No. 2

NHPC is planning to bid in the upcoming tender being invited by IREDA under CPSU Scheme.

As per IREDA notification, power generated from above Projects shall be solely for self-use or use by Government/ Government entities, either directly or through Discoms on payment of mutually agreed usages charges of not more than **Rs. 2.20/kWh**, which shall be exclusive of any other third party charges like wheeling and transmission charges and losses, point of connection charges and losses, cross-subsidy surcharges, State Load Dispatch Centre (SLDC)/ regional Load Dispatch Centre (RLDC) Charges etc.

After obtaining allocation from IREDA, NHPC will develop Solar PV projects under CPSU Scheme on "Build Own Operate" (B-O-O) basis & we are sure that our cost would be the most competitive in the industry. Our charges shall be below than Rs. 2.20/kWh as notified by IREDA.

Further, the development of solar projects under CPSU Scheme shall boost the domestic manufacturing sector thereby contributing towards the "AatmaNirbhar Bharat" vision of the Hon'ble Prime Minister of making India a self-reliant nation.


Being committed for National development, we hope that your organization will help in National Solar Mission (NSM) for development, promotion and commercialization of solar energy technologies in the country by procuring solar power which is less costly & renewable thereby supporting RPO compliances too.

Therefore, NHPC hereby kindly request your good self to give consent for procurement solar power from NHPC as per your suitability under CPSU Scheme.

Assuring you our best of services always.

With Kind regards.

Yours faithfully


(B.P. Rao) 13/01

General Manager (In-charge)/HOD
Renewable Energy Division
NHPC Limited, Faridabad
Mail id: bprao786@gmail.com
#7042322552

(1)

**TELANGANA STATE POWER COORDINATION COMMITTEE
VIDYUT SOUDHA::HYDERABAD**

From
The Joint Managing Director
(Finance, Comml & HRD),
TSTRANSCO &
Member/TSPCC,
Vidyut Soudha,
Hyderabad -500 082.

To
The AGM (Commercial),
NTPC Limited,
NTPC Bhawan, SCOPE Complex,
7 Institutional Area, Lodi Road,
New Delhi 110 003.

Lr. No. ED(Comml)/SE(IPC)/DE-2/RE/F.121 Solar/ D.No. 289 /20-21, Dt:27.02.2021

Sir,

Sub: TSPCC – IPC – RE Projects – Offer of NTPC for availing Solar power under CPSU Scheme Phase-II Tranche-III – Consent for procurement of 1000 MW – Reg.

Ref: 1. Lr. No. CC/CD/Solar/CPSU Phase II, Tranche-III, dated 17.02.2021.
2. NTPC mail dated 22.02.2021.

* * * * *

This has reference to your proposal for indicating desired quantum and willingness to avail the Solar power through NTPC under CPSU Scheme Phase-II Tranche-III, vide RfS published by IREDA (No. 23016/1/2020-IREDA/RfS/5000 MW/012021 dtd 29.01.2021).

In this connection, keeping in view the load requirement and also waiver of ISTS charges for 25 years, TSDISCOMs hereby are willing for procurement of 1000 MW Solar power through NTPC under CPSU Scheme Phase-II Tranche-III with power usage charges not exceeding Rs. 2.20/Kwh.

Yours sincerely,

[Signature]

JMD(Finance, Comml & HRD)/TSTRANSCO

Copy submitted to

The Chairman & Managing Director/TSSPDCL, Corporate Office, Mint Compound, Hyd.
The Chairman & Managing Director/TSNPDC, Vidyut Bhavan, Warangal.





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एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

NTPC Limited

(A Govt. of India Enterprise)

केन्द्रीय कार्यालय/ Corporate Centre

CC/CD/Solar/CPSU,Phase-II,Tranche-III

Date:17.02.2021

To

The joint Managing Director (Fin., Commercial & HRD)
TSTRANSCO Member (TSPCC)
Vidyut Soudha, Khairatabad
Hyderabad-500082

Sub: Expression of Interest for availing Solar Power under CPSU Scheme

Ref. RfS document published by IREDA (No 23016/1/2020-IREDA/RfS/5000MW/012021 dtd 29.01.2021) for selection of Solar Power Developers for Setting up of 5,000 MW Grid Connected Solar PV Power Projects in India (Tranche-III) under Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme).

Sir,

This has reference to the above referred RfS document of IREDA based on the Guidelines issued by MNRE vide No. 302/4/2017-GRID SOLAR dated 05.03.2019, wherein bids are invited from the interested Government Producers with Viability Gap Funding (VGF) support.

A copy of MNRE guidelines dtd 05.03.2019 is attached. Regarding Scheme Modalities and Role of Discoms, copy of MNRE dtd 03.07.2019 is also attached.

In respect of the RfS document of IREDA, the power generated by the projects selected under this bid shall be used by Government / Government entities, either directly or through DISCOMs on payment of mutually agreed usages charges not exceeding Rs.2.20/kWh. The said value shall be exclusive of any other third party charges like wheeling and transmission charges and losses, point of connection charges and losses, cross-subsidy surcharges, SLDC/RLDC charges etc. as may be applicable.

The proposed projects are required to be developed with Domestic Content Requirement (DCR). Waiver of ISTS charges and losses for use of ISTS network, if any, shall be available to Projects, as per relevant orders/guidelines issued by MoP.

NTPC is considering for participation in the above bid. BID submission date is 04.03.2021. It is, therefore, requested that TSPCC may indicate the desired quantum and willingness to avail the power through NTPC, at the earliest.

Assuring you of our best services towards increased RE deployment in your State.

Thanking you,

Yours Sincerely,

(E Prabhakara.Rao)

Additional General Manager (Commercial)



From
The Chief General Manager (IPC),
TSSPDCL, Corporate Office,
6-1-50, Ground Floor, Mint Compound,
Hyderabad – 500 063.

To
The Commission Secretary,
TSERC, 5th Floor,
Singareni Bhavan, Red Hills,
Hyderabad.

Lr.No.CGM (IPC)/SE(IPC)/F. SECI /D. No. 1144 /2021, dated : 20-12-2021

Sir,

Sub: - TSSPDCL –RE projects – Procurement of 1000MW Solar Power through SECI under ISTS Solar Tranche-IX Scheme – In-principle consent/approval- Requested – Reg.

Ref:-1)Lr.No.ED(Comml)/SE(IPC)/DE/RE/ADE1/F.122Solar/D.No.330/21,Dt:07.12.2021

2)Lr.No.JMD/ED(Comml)/SE(IPC)/DE-2/RE/F.122 Solar/D.no.327/21, Dt : 02.12.2021

3)TSPCC minutes of meeting dated 23.11.2021

SECI has offered for sale of power from ISTS connected Solar Power Projects from various schemes mentioned below :

Sl. No.	Status	Scheme	Capacity (MW)	Tariff (INR/Kwh)
1	BCD Waiver available	ISTS SolarTranche VIII	300	2.50
2			100	2.50
3			200	2.51
4		ISTS Solar Tranche IX	300	2.37
5			300	2.37
6			100	2.37
7		300	2.38	
8		Manufacturing linked Solar Scheme (Tranche I)	1200	2.54
9	BCD Waiver not available	ISTS Solar Tranche VIII	600	2.50
10		ISTS Solar Tranche IX	150	2.36

In this regard, consent for procurement of 1000 MW solar power under ISTS Solar Tranche-IX scheme with tariff ranging from Rs 2.37/kWh to Rs 2.38/kWh (exclusive of trading margin) with Basic Customs Duty Waiver was conveyed vide ref (2) cited above.

Hence, it is requested to accord in-principle approval/consent for procurement of 1000 MW Solar Power through SECI under ISTS Solar Tranche-IX Scheme.

Yours faithfully,

P.Krishnaiah
Chief General Manager (IPC)
seipctspdcl@gmail.com
9490603671

Copy to:

The Chief General Manger /IPC/TSNPDC/ Hanmakonda/Warangal.

Copy submitted to:

The Executive Director(Comml)/TSPCC/Vidyut Soudha/Hyderabad.