

7/2

SOUTHERN POWER DISTRIBUTION COMPANY OF AP LTD

From
Chief General Manager (P&MM, IPC)
APSPDCL, Kesavayanagunta,
Besides Srinivasa Kalyanamandapam,
Tiruchanur Road, Tirupathi - 517 501.

To
The Secretary,
APERC, 4th Floor,
Singareni Bhavan,
Red Hills, Hyderabad.

Lr.No.CGM(P,MM&IPC)/APSPDCL/F. /D.No. 681 /18, Dt: 02.02.2018

Sir,

Sub: Procurement of solar power by APDISCOMs (i) from the NTPC from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist and (ii) from the SECI from the proposed 750 MW solar park at Kadapa Ultra Mega Solar Park - Approval - Requested- Regarding.

Ref: Lr.No.APERC/Secy/F.No.S-87/2017, Dated 19.02.2017

This is to submit that in order to promote Solar Power Projects in a big way and with a view to promote green energy in the state of Andhra Pradesh, Govt of AP vide G.O Ms. No.8, dated: 12.02.2015 have issued a new Solar policy - 2015 applicable for a period of 5 years wherein GoAP targeted a minimum total solar power capacity addition of 5000 MW by FY 2019-2020.

To achieve above target, GoAP directed APDISCOMs for procurement of 1000 MW Solar Power through competitive bidding process and APDISCOMs entered PPAs for a capacity of 619 MW with consent of Hon'ble APERC. Out of 619 MW, 512 MW has been commissioned.

GoAP have also targeted to set up 4000 MW solar capacity through Solar Parks in Kurnool, Kadapa and Ananthapuramu districts with the support of Gol.

In this regard MNRE has accorded approval to GoAP on 15.01.2016 for utilization of total capacity of 4000 MW solar power generated from the following four solar parks by the state of Andhra Pradesh. A copy of the same is enclosed as Annexure-1.



JD/PERP

20/12/18
11/12/18

7/2/2018

- a. **Ananthapuram-I Ultra Mega Solar Park (1500 MW):**
(1000 MW Solar power project is to be set up at NP Kunta, Ananthapur District by NTPC under E.P.C and 500MW by SECI under V.G.F scheme at Galivedu, Kadapa district.)
- b. **Kurnool Ultra Mega Solar Park (1000 MW)**
(1000 MW Solar project is to be set up at Kurnool District by NTPC (State specific bundled scheme)
- c. **Kadapa Ultra Mega Solar Park (1000 MW)**
(750 MW Solar project is to be set up at Kadapa District by SECI under E.P.C and another 250MW by NTPC (State specific bundled scheme))
- d. **Ananthapuram- II Ultra Mega Solar Park(500 MW)**
(500MW solar project is to be set up at Ananthapur District by APGENCO under E.P.C.)

As a part of this, APDISCOMs were entered the PSA/PPAs with NTPC/SECI/APGENCO for purchase of solar power generated from the above solar parks. The details are as submitted below:

- APDISCOMs had entered PPA with M/s NTPC for purchase of solar power from the proposed 250 MW (Phase-1) solar park at NP kunta, Anantapur Dist on 24.04.2015 at the tariff of Rs.5.96 per unit and the same was approved by Hon'ble APERC. The 250 MW was commissioned on 29.07.2016 and supplying power to APDISCOMs.
- APEPDCL had also entered the PSA with NTPC on 08.01.2016 for purchase of 1000 MW solar power from the Gani Kurnool solar park. 1000 MW was commissioned and supplying power to APDISCOMs. APERC yet to issue the consent. unma
- APDISCOMs were signed the PSA with M/s SECI on 27.10.2016 for purchase of 500 MW solar power from the Ananthapuramu-I Ultra Mega solar park to be set up at Galiveedu Mandal, Kadapa district at the tariff of Rs.4.50 per unit

under VGF Scheme and is expected to be commissioned by March 2018..
APERC yet to issue the consent.

- Further APDISCOMs were signed the PPA with APGENCO on 01.07.2017 for purchase of 400 MW solar power generated from the Ananthapuram- II Ultra Mega Solar Park proposed at Talaricheruvu (V), near Tadipatri, Anantapuramu District, AP at the tariff of Rs. 3.57/unit and is expected to be commissioned by FY 2018-19. APERC yet to issue the consent.
- Recently, APDISCOMs entered PSA with NTPC on 11.12.2017 for purchase of 250 MW solar power from the Kadapa Ultra Mega solar park to be set up at Mylavaram, Kadapa district at the tariff of Rs. 3.15/unit and is expected to be commissioned by FY 2019-2020.

Out of targeted capacity of 4000 MW, 1250 MW commissioned so far .The present installed capacity of Solar Power Projects in the state of Andhra Pradesh as on 31.12.2017 is 2144.88 MW.

Further it is to submit that, the grid connected solar power/Solar parks tariffs falling at regular intervals due to reduction in cost of panels, inverters and adoption of new technology etc. The present solar tariffs are in the range of Rs. 2.44/unit to Rs.3/unit.

In light of the above, the GoAP vide letters Dt: 05.12.2017 has given permission to NTPC & SECI to initiate the tendering process for balance 750 MW each at Ananthapur and Kadapa districts respectively and to proceed with the implementation of aforesaid solar PV projects in case tariff discovered is less than the ceiling tariff of Rs 3.00/KwH (including trading Margin). The copies of the same are enclosed as Annexure-2.

APDISCOMs shall sign the PSAs with NTPC and SECI after finalization of the tender by NTPC & SECI. The SECI & NTPC will follow the MoP notified guidelines issued in August & December 2017 for tariff based competitive bidding process for procurement of solar power from grid connected solar.

As per the directions issued by Hon'ble APERC in the reference cited, prior permission is required to APDISCOMs for procurement of solar power and entering into PSA/PPA with the solar power developers.

In light of the above submissions, the Hon'ble Commission is requested to grant the approval for procurement of solar power by APDISCOMs (i) from the NTPC from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist and (ii) from the SECI from the proposed 750 MW solar park at Kadapa Ultra Mega Solar Park.

Encl: As above

Yours Faithfully,



Chief General Manager (P&MM, IPC)
APSPDCL::Tirupati

संघीय नवीन और नवीकरणीय ऊर्जा मंत्रालय

MINISTRY OF NEW AND RENEWABLE ENERGY

संघीय नवीन और नवीकरणीय ऊर्जा मंत्रालय, लोदी रोड, नई दिल्ली-110003
COMPLEX, LODI ROAD, NEW DELHI - 110 003

Fax: 011-234381398
Telegram: RENEWABLE

MP/15/2015-16/NSM

15 January 2016

Dated

Shri Ajay Jain
Secretary to Government of Andhra Pradesh
Energy Department
Secretariat, Hyderabad-500 022
Fax: 040-23307766

Subject: In-principle approval for setting up of 500 MW Anathapuramu II Solar Park at
Talaricheruvu Village, Tadipatri Mandal, Anathapuramu District

This is with reference to your letter no. Energy/APSPCL/Solar parks/D No. 209 dated
18 December 2015 regarding setting up of 500 MW Anathapuramu II Solar Park at
Talaricheruvu Village, Tadipatri Mandal, Anathapuramu District of Andhra Pradesh.

In this connection, the undersigned is directed to convey the in-principle approval of the
Competent Authority for setting up one solar park of capacity 500 MW at Talaricheruvu
Village, Tadipatri Mandal, Anathapuramu District of Andhra Pradesh by Andhra Pradesh
Solar Power Corporation (P) Limited (APSPCL).

Approval of Competent Authority is also conveyed for preparation of the Detail Project
Report (DPR) by the SPPD. The DPR is to be submitted to this Ministry within two months
from the date of in-principle approval accorded.

With this approval, four Solar Parks have been approved to the State of Andhra Pradesh:

- (a) Ananthapuramu solar park of 1500 MW (1000 MW at N P Kuria, Ananthapuramu
district and 500 MW at Galiveedu, Kadapa district);
- (b) Kurnool solar park (1000 MW);
- (c) Kadapa solar park (1000 MW) and
- (d) Anathapuramu II Solar Park (500 MW)

Yours faithfully



(Dilip Nigama)

Director (NSM)

Tel/Fax: 2436 3546

Copy to

- 1) Shri G. Aadisesu, Managing Director, Andhra Pradesh Solar Power Corporation (P)
Limited, Opposite Green Park Hotel, Neeraj Public School Lane, 6-3-856/A/3, Sadat
Manil Compound, Ammaipet Hyderabad -5000038 (A.P.) (Fax) 040-23499386
- 2) Dr. Ashvini Kumar, Managing Director, Solar Energy Corporation of India, 1st Floor,
D-3 A Wing, Religare Building, District Centre, Saket, New Delhi - 110017



Date: 05.12.2017

To
Shri. Jatindra Nath Swain, IAS,
Managing Director,
Solar Energy Corporation of India,
1st Floor, D-3, 'A' Wing, Religare Building,
District Centre, Saket, New Delhi - 110017.

Dear Sir,

Sub: APSPCL – Development of 750 MW Solar Park 750 MW at Kadapa Ultra Mega
Solar Park through international competitive bidding (ICB) by SECI – Reg.

During the meeting held on 22.11.2017 with the officials of SECI, it was decided to
establish balance 750 MW at Kadapa Ultra Mega Solar Park through international
competitive bidding (ICB) by SECI. SECI has promised to call for bids with the ceiling tariff
of Rs. 03.00 per unit.

In this connection, it is to be informed that the proposed levellised tariff shall be with
ceiling of Rs.3.00/ kWh (Including trading margin) for said capacity addition of 750 MW.
Further to inform that SECI shall proceed with the implementation of this Solar PV Project,
in case tariff discovered is less than the above ceiling tariff of Rs.3.00 kWh (including
trading margin).

M/s. SECI is requested to proceed further with the signing of PSA with APPCC and
also requested to share draft PPA with APPCC before placing the same in tender document.
Further requested that the capacity of each block may be considered as 250 MW i.e., 3 X 250
MW as each block will be dedicated to one pooling station.

With warm regards

Yours Sincerely,

Ajay
5/12/2017
(AJAY JAIN)

Copy to:

1. The General Manager (Solar)/ SECI
2. The Joint Managing Director/Commercial/APTRANSCO.
3. The Managing Director/APSPCL.

AJAY JAIN, I.A.S.,
Principal Secretary to Government



Energy, Infrastructure &
Investment and CRDA Departments
Government of Andhra Pradesh
Room No. 147, Block No. 2,
Secretariat Buildings, Velagapudi - 522 503,
Guntur Dist. A.P.
Email : ajayjainias@gmail.com
secyenergyap@gmail.com

Date: 05.12.2017

To
Shri Gurdeep Singh
The Chairman & Managing Director, NTPC,
NTPC Bhavan, Scope Complex, 7,
Institutional Area, Lodhi Road, New Delhi-110003.

Dear Sir,

Sub: APSPCL –Development of 750 MW Solar Power Project at Ananthapuramu
Ultra Mega Solar Park in Andhra Pradesh by NTPC – Reg.

Ref: Letter from NTPC, Dtd.29.11.2017.

This has reference to the letter cited under ref, wherein NTPC has requested to convey consent to proceed with the development of balance capacity of 750 MW in Ananthapuramu Ultra Mega Solar park by NTPC through tariff based competitive bidding under section 63 of Electricity Act 2003. NTPC also proposed a levellised tariff with a ceiling of Rs. 3.00/ kWh (excluding trading margin) for said capacity addition of 750 MW.

In this connection, it is to be confirmed that the proposed levellised tariff shall be with ceiling of Rs.3.00/ kWh (Including trading margin) for said capacity addition of 750 MW. Further to confirm that NTPC shall proceed with the implementation of this Solar PV Project, in case tariff discovered is less than the above ceiling tariff of Rs.3.00 kWh (including trading margin).

M/s. NTPC is requested to proceed further with the signing of PSA with APPCC and also requested to share draft PPA with APPCC before placing the same in tender document. Further requested that NTPC may consider each block as a capacity of 250 MW i.e., 3 X 250 MW instead of 6 X125 MW as proposed earlier as each block will be dedicated to one pooling station.

with warm regards,

Yours sincerely,

A's
Signature
(AJAY JAIN)

Copy to:

1. Shri Pramod Kumar, ED/Commercial/NTPC.
2. Shri Surinder Raina, General Manager/REDG, NTPC.
3. The Joint Managing Director/Commercial/APTRANSCO.
4. The Managing Director/APSPCL.

SOUTHERN POWER DISTRIBUTION COMPANY OF AP LTD

From
Chief General Manager (P&MM, IPC),
APSPDCL, Kesavayanagunta,
Besides Srinivasa Kalyanamantapam,
Tiruchanur Road, Tirupati - 517 501.

To
The Secretary,
APERC, 4th Floor,
Singareni Bhavan,
Red Hills, Hyderabad.

Lr. No. CGM (P,MM & IPC)/APSPDCL/F.NTPC PSA /D.No. 79 /18,Dt: 11.05.2018.

Sir,

Sub: APSPDCL - Solar Bidding - Procurement of solar power by APDISCOMs from NTPC from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist- Approval-Requested- Regarding.

- Ref: 1. G.O.MS.No. 8, Dated 12.02.2015
2. Lr. No. CGM (P,MM & IPC)/APSPDCL/F. /D.No.681/18,
Dt:02.02.2018
3. M/S NTPC mail Dt:10.05.2018

* * *

It is to submit that in the reference (2) cited, APSPDCL was requested the Hon'ble APERC to grant the approval for procurement of solar power by APDISCOMs (i) from the NTPC from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist and (ii) from the SECI from the proposed 750 MW solar park at Kadapa Ultra Mega Solar Park.

In this regard, it is to submit that, earlier the GoAP vide letter Dt: 05.12.2017 has given permission to NTPC to initiate the tendering process for balance 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist and to proceed with the implementation of aforesaid solar PV project in case tariff discovered is less than the ceiling tariff of Rs 3.00/KwH (including trading Margin).

Now, M/s NTPC vide mail Dt: 10.05.2018 has informed the following and requested the APDISCOMs to intimate the probable date of Signing of the PSA at the earliest. A copy of the same is herewith submitted.

"Reverse Auction was conducted on 09-10 May 2018 for discovery of Tarff for 750 MW Ananthapuramu solar PV Project. The details of lowest quoted tariff for three projects of 250 MW each for Ananthapuramu Solar Station are as follows:

1. M/s Sprng Energy Pvt. Ltd. quoted Rs.2.72 per kWh for one project of 250 MW,
2. M/s Ayana Renewable Power Pvt. Ltd. quoted Rs.2.73 per kWh for one project of 250 MW &



Handwritten signature and date: 79/5/2018

3. *M/s SB energy Solar Pvt. Ltd. quoted Rs.2.73 per kWh for remaining project of 250 MW."*

In light of the above submissions, the Hon'ble Commission is requested to grant the approval for procurement of solar power by APDISCOMs from the NTPC from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist by entering into PSA with NTPC.

Encl: As above.

Yours faithfully,

Chief General Manager (P&MM, IPC)
APSPDCL::Tirupati

Fw: Price Discovery of 750MW Anantpuramu Solar Project - deipcsolar@gmail.com

CE IPC

14:21 (25 minutes ago)

to me

From: Manish Malviya <manishkumarmalviya@ntpc.co.in>

Sent: Thu, 10 May 2018 17:56:47

To: MADDI RAJABABU RAJABABU <maddirajababu@ntpc.co.in>, manish malviya office <manishkumarmalviya@ntpc.co.in>, mkmalviyantpc <mkmalviyantpc@gmail.com>, ce_ipc@rediffmail.com

Cc: manojmathur1961 <manojmathur1961@gmail.com>, skmandalo6 <skmandalo6@ntpc.co.in>, Sudip Kumar Das Das <skdas07@ntpc.co.in>

Subject: Price Discovery of 750MW Anantpuramu Solar Project

Sir,

Reverse Auction was conducted on 09-10 May 2018 for discovery of Tariff for 750 MW Ananthapuramu Solar PV Project.

The details of lowest quoted tariff for three projects of 250MW each for Ananthapuramu Solar Station are as follows:

01. M/s Sprng Energy Pvt. Ltd. quoted Rs 2.72 per kWh for one project of 250 MW,
02. M/s Ayana Renewable Power Pvt. Ltd. quoted Rs 2.73 per kWh for one project of 250 MW &
03. M/s SB Energy Solar Pvt. Ltd. quoted Rs 2.73 per kWh for remaining project of 250 MW.

This is for your kind information with request to kindly intimate us probable date of Signing of the PSA at the earliest.

Thanks & Regards.

--

M K Malviya

DGM(Commercial-RE)

9650990349



ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION

From
Secretary,
11-4-660, 4th Floor,
Singareni Bhavan,
Red Hills, Lakdikapool,
Hyderabad - 500 004.

To
The Chief General Manager,
P&MM &IPC, APSPDCL,
19-13-65/A, Raghavendra Nagar,
Kesavayana Gunta, Tiruchanoor Road,
Tirupati-517 501.

Lr.No. APERC/JD(PPP)/DD(PPP)/F.No.E-1058/D.No. 611 /2018,Dt.18-07-2018.

Sir,

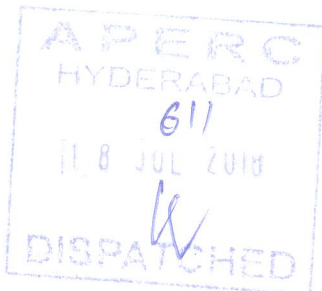
Sub:- APERC - Procurement of solar power by APDISCOMs (i) from the NTPC from the proposed 750 MW (Phase-II) solar park at NP Kunta, Anantapur Dist. and (ii) from the SECI from the proposed 750 MW solar park at Kadapa Ultra Mega Solar Park - Reg.

Ref:- 1) Lr.No. CGM(P,MM&IPC)/APSPDCL/F./D.No.681/18, dt. 02.02.18
2) Lr.No. CGM(P,MM&IPC)/APSPDCL/F.NTPC PSA/D.No.79/18, dt. 11.05.18.
3) Lr.No. CGM(P,MM&IPC)/APSPDCL/F.NTPC PSA/D.No.123/18, dt. 07.06.18.

With reference to your letters cited above, I am directed to seek the following information / clarifications before your request(s) on the subject can be considered by the Commission.

- The status of allotment of bundled power from NTPC Ramagundam Thermal Power Station envisaged for 1000 MW Anantapuram Solar Park, and the effective price as submitted by NTPC limited and as observed by the Commission in its order dated 4.06.2016 O.P.No.26 of 2015.
- Break up for the balance 2000 MW (out of the 3250 MW projected capacity of Solar Parks up to FY2023-24 as submitted vide the Resource plans and State Electricity Plan) along with the time schedules of the projects besides also informing the progress of each project.
- The copies of PPAs entered between NTPC and Solar Power Developers (SPD) which were stated to be attached as 'Schedule-A' as per para F, in page 3 of the PSAs, are not found attached for all the four nos. of PSAs submitted.

Contd..2



- d) The location of the project is not mentioned in Schedule-B of the PSAs.
- e) Justification for your request against the Commission's direction / view in the Retail Supply Tariff Order for FY2018-19 that the Distribution Companies may come up with the detailed views expeditiously to mould the power purchase to achieve the desired effect and that they shall avoid entering into any Power Purchase Agreement which may burden them with un-warranted power.

Yours faithfully,


18.7.2018

Secretary (i/c)

SOUTHERN POWER DISTRIBUTION COMPANY OF AP LTD

From
Chief General Manager (P&MM, IPC),
APSPDCL, Kesavayanagunta,
Besides Srinivasa Kalyanamantapam,
Tiruchanur Road, Tirupati - 517 501.

To
The Secretary,
APERC, 4th Floor,
Singareni Bhavan,
Red Hills, Hyderabad.

Lr. No. CGM (P,MM & IPC)/APSPDCL/F.NTPC PSA /D.No.322/18,Dt:06.11.2018.

Sir,

Sub: APSPDCL - Solar Bidding - Approval of Power Sale Agreements signed by APDISCOMs with M/s NTPC on 04.06.2018 and Regulation of price under Section 86 1(b) of EA 2003 for purchase of solar power generated from the proposed 750 MW (Phase-II) solar park at NP kunta, Anantapur Dist under the scheme of the Jawaharlal Nehru National Solar Mission (JNNSM) of Gol - Requested - Regarding.

- Ref: 1. Prl.Secy, GoAP/Energy, I&I, letter dated 05.12.2017
2. Lr. No. CGM (P,MM & IPC)/APSPDCL/F. /D.No.681/18,Dt:02.02.2018
3. Lr. No. CGM (P,MM & IPC)/APSPDCL/F.NTPC PSA /D.No.79/18, Dt:11.5.18
4. Lr. No. CMD/CE/ IPC &PS/F. /D.No.43/18, Dt: 15.05.2018
5. Letter.No.1331/Power.II(2)/2017 Dt: 31.05.2018
6. Lr. No. CGM (P,MM & IPC)/APSPDCL/F.NTPC PSA /D.No.123/18, Dt:07.06.2018.
7.Lr.No.APERC/JD (PPP)/DD(PPP)/F.No.E-1058/D.No.611/2018, Dt:18.07.2018.

* * *

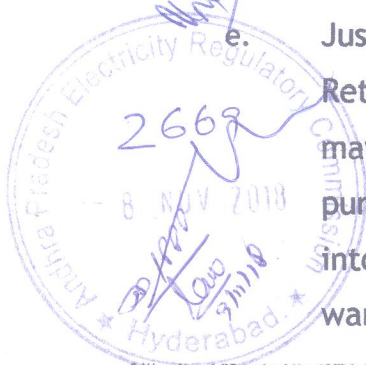
It is to submit that, the Hon'ble Commission vide reference (7) cited has directed the APDISCOMs to submit the information /clarifications on the following remarks for considering the approval of Power Sale Agreements signed by APDISCOMs with M/s NTPC on 04.06.2018.

- The status of allotment of bundled power from NTPC Ramagundam thermal Power Station envisaged for 1000MW Ananthapuram Solar Park, and the effective price as submitted by NTPC limited and as observed by the Commission in its order dated 04.06.2016 O.P.No.26 of 2015.
- Break up for the balance 2000MW (out of the 3250 MW projected capacity of solar Parks up to FY 2023-24 as submitted vide the Resourced plans and State Electricity Plan) along with the time schedule of the projects besides also informing the progress of each project.

c. The copies of PPAs entered between NTPC and Solar Power Developers (SPD) which were stated to be attached as "Schedule-A" as per para F, in Page 3 of the PSAs, are not found attached for all the four nos. of PSAs submitted.

d. The location of the project is not mentioned in Schedule-B of the PSAs.

e. Justification for your request against the Commission's direction/view in the Retail Supply Tariff Order for FY 2018-19 that the Distribution Companies may come up with the detailed views expeditiously to mould the power purchase to achieve the desired effect and that they shall avoid entering into any Power Purchase Agreement which may burden them with unwarranted power.



In compliance to the directions of the Hon'ble Commission, the following is submitted after seeking approval from the Chairman & Managing Director/APSPDCL:

- a. M/s.NTPC projected the probability of the weighted average affected price from the 1000MW Solar Power Project to work out to around Rs.4.20 paise per unit considering Rs.6.16 per unit for 250MW, around Rs.5.25 per unit for the proposed 750MW and Rs.3.03 per unit for the power from Ramagundam Thermal Power Station and same was noted in the Hon'ble Commission order dated 04.06.2016. The present tariffs realized during the bidding for 750MW Solar Park of NTPC at NP Kunta Ananthapuramu is Rs.2.72 per Kwh (500MW) and Rs.2.73 per Kwh (250MW). Including trading margin the tariff to be paid to M/s. NTPC for 500MW is Rs.2.79 per Kwh and for 250MW is Rs.2.80 per Kwh. Effective tariff for the entire 1000MW NP Kunta Solar Park without bundling Thermal Power works out to Rs.3.6 per unit. The same is in line with the effective Tariff of Rs.4.2 Paise per Unit with bundling of Thermal Power as mentioned in the Hon'ble Commission order dated 04.06.2016. However, to receive Thermal Power from NTPC Thermal Station, a letter Dt: 05.03.2018 was addressed from the Prl. Secretary to Government/Energy, I&I and CRDA Department to the Chairman & Managing Director/NTPC with a request to arrange for allocation of 125 MW thermal Power from old thermal power stations of NTPC for bundling of the same with Solar Power generated from 250MW Phase-I Solar Power at N.P. Kunta, Ananthapur District in order to comply the APERC order dt: 04.06.2016 O.P.NO.26 of 2015. A copy of the same is enclosed as Annexure-I for perusal of Hon'ble Commission.
- b. The details of projects covered in the 3250 MW capacity indicated in the Load Forecast, Resource plan and State Electricity plan submitted to Hon'ble APERC in August 2017, along with the time schedule and progress of each project as on date are herewith enclosed as Annexure-II.
- c. The copies of 3 Nos PPAs entered into by NTPC with the Solar Power Developers are herewith submitted to the Hon'ble APERC as desired.
- d. The location of the projects were included in Schedule-II of the PPAs entered by NTPC with the SPDs and same are shown below .

Sl.No	Name of the SPD	Location of the Project
1	M/s. SB Energy Solar Private Limited	Plot No.A3 of NP Kunta, Anantapuram
2	M/s. Ayana Ananthapuramu Solar Private Limited	Plot No.A1 NP Kunta, Anantapuram
3	M/s. Spring Agnitra Private Limited	Plot No.A2 NP Kunta, Anantapuram

- e. GoAP had issued the Wind & Solar Policies in order to promote Wind & Solar Projects in the state of Andhra Pradesh and to achieve the targets envisaged by the Gol. Hon'ble Commission vide order dated 13.12.2017 has issued directions to the DISCOMs not to enter into any PPA without prior intimation to and permission from the commission. As per the aforesaid directions of the Hon'ble Commission, APDISCOMs vide letter dated 02.02.2018 requested the Hon'ble Commission for permission for entering PSAs with M/s. NTPC for procurement of for 750MW Solar Power which is envisaged in the 4th control period of Resource Plan. Further it is to submit that, the solar tariffs (Rs. 2.72/KWh for 250 MW and Rs 2.73 /Kwh for 500 MW)discovered through competitive bidding by NTPC for 750 MW (Phase-II) NP Kunta, Ananthapur Solar Project is the lowest tariff than the PPA/PSAs entered earlier by APDISCOMs with Solar Power Developers like NTPC, SECI , APGENCO & others.

In light of the above submissions, the Hon'ble Commission is requested to grant approval for the long term Power Sale Agreements (PSAs) signed by APDISCOMs with M/s NTPC on 04.06.2018 and Regulation of price under Section 86 1(b) of EA 2003 for purchase of solar power generated from the proposed 750 MW (Phase-II) Solar Park at NP kunta, Anantapur Dist under the scheme of the Jawaharlal Nehru National Solar Mission (JNNSM) of Gol, at a tariff of Rs 2.72 /Kwh(for 250 MW) & Rs 2.73 /Kwh(for 500 MW) in addition to a trading margin of 7 paise/kWh.

Yours faithfully,



Encl: As above.

Chief General Manager (P&MM, IPC)
P&MM&IPC, APSPDCL
TIRUPATI



Lr. No. CE/IPC & PS/APPCC/F.Solar/D.No./18 dated:05.03.2018

Dear Sir,

Sub: APPCC - IPC - Allocation of 125 MW thermal Power from old thermal power stations of NTPC for bundling of Thermal Power with Solar Power generated from N.P. Kunta Solar Park (250 MW Phase-I), AP -Reg.

Ref: Letter from NTPC, dated 29.11.2017.

<<<<>>>

As you are kindly aware that Hon'ble APERC has approved the long term power purchase agreement signed by the NTPC with APDISCOMs and regulated the power purchase cost @ Rs.5.96/unit vide orders dated 04.06.2016 in respect of purchase of solar power from the 250 MW Solar Park at N.P. Kunta, Anantapur District.

In this connection, this is brings to your kind notice that Hon'ble APERC explicitly mentioned the following with regard to bundling of power on the Phase-I (250 MW) and Phase-II (750 MW) Solar Parks at N.P. Kunta, Anantapur District.

"(3) In the event the proposed bundling of 750 MW solar power to be generated from Stage-II of this project and 1068 MW of thermal power to be generated from Ramagundam thermal power station (on allocation of 267 MW of thermal power from that generating plant) making the effective power purchase price of Rs.4.20 per unit including for the 250 MW proposed to be generated from Stage-I of this project does not materialize as and when it should so materialize, any stakeholder including the petitioners, the 2nd respondent, the objectors herein and any other consumer or stakeholder can invoke the jurisdiction of this Commission for reexamination and reconsideration in accordance with law of the consent being given herein".

M/s. NTPC has requested vide reference cited above to convey consent to proceed with the development of balance capacity of 750 MW in Ananthapuram Ultra Mega Solar Park by NTPC through tariff based competitive bidding under section 63 of Electricity Act 2003. NTPC also proposed a levelled tariff with a ceiling of Rs. 3.00/- kWh (excluding trading margin) for said capacity addition of 750 MW.

In response, GoAP confirmed that the proposed levelled tariff shall be with ceiling of Rs. 3.00/kWh (Including trading margin) for said capacity addition of 750 MW. Further to confirm that NTPC shall proceed with the implementation of this Solar PV Project, in case tariff discovered is less than the above ceiling tariff of Rs.3.00/kWh (including trading margin).

In this connection, it is to inform that since the ceiling tariff of Rs.3.00/kWh (including trading margin) is fixed for the 750 MW Phase-II project, bundling of 750 MW Solar power may not be required.

As per the orders of the Hon'ble APERC, it is necessary to reduce the effective tariff of 250 MW Phase-I N.P. Kunta, Solar Park at Ananthapur which was fixed at Rs.5.96/unit duly bundling thermal power from the unallocated quota of the NTPC Coal based stations on 2:1 basis (2MW of Solar with 1 MW of thermal), and onward sale of the Bundled Power to distributions Utilities at an affordable price through power purchase agreement for a period of 25 years.

As such, it is requested to allocate 125 MW Thermal Power from old NTPC Stations to bundle with solar power of 250 MW Phase-I Solar Power at N.P. Kunta, Ananthapur District.

In view of the above, M/s. NTPC is requested to arrange for allocation of 125 MW thermal Power from old thermal power stations of NTPC for bundling of the same with Solar Power generated from 250MW Phase-I Solar Power at N.P. Kunta, Ananthapur District in order to compliance the APERC orders.

With warm regards,

Yours Sincerely,

Ajay Jain

(AJAY JAIN)

Shri Gurdeep Singh,
The Chairman & Managing Director/NTPC
NTPC Bhavan, Scope Complex, 7,
Institutional Area, Lodhi Road,
New Delhi-110003.

Annexure-II

The details & the status of projects covered in the 3250 MW capacity indicated in the Load Forecast, Resource plan and State Electricity plan as on 31.10.2018 are as submitted below:

S.No.	Name of the Project	Location of Project	Capacity (in MW)	Status
1	Ananthapuram-I Ultra Mega Solar park (1500 MW) (1000 MW for NTPC and 500 MW for SECI VGF scheme)	NP Kunta, Ananthapur District	1000MW	<p><u>For 1000 MW NP Kunta, Ananthapur District</u></p> <p>Phase-I - 250MW - (State specific bundled scheme)</p> <ul style="list-style-type: none"> APDISCOMs have entered PPA with NTPC on 24.04.2015. Tariff of Rs.5.96/Unit. Commissioned on 29.07.2016. <p>Phase-II - 750MW (Bidding)</p> <ul style="list-style-type: none"> APDISCOMs have entered the PSA with NTPC on 04.06.2018 . Tariff - Rs.2.79/kWh for 250 MW (M/s. Spring Energy Pvt. Ltd @tariff of 2.72/kWh + Rs.0.07/kWh trading margin) Tariff of Rs.2.80/kWh for 500 MW (M/s. Ayana Renewable Power Pvt. Ltd 250MW & M/s. SB Energy Solar Pvt. Ltd 250MW @ tariff 2.73/kWh + Rs.0.07/kWh trading margin) As per the PPA, the Scheduled COD is 13 months from the date of signing of PPA & is expected to be commissioned by August '2019.
		Galiveedu Mandal, Kadapa district	500 MW	<p><u>For 500 MW at Kadapa (VGF Scheme)</u></p> <ul style="list-style-type: none"> APDISCOMs have entered PSA with SECI for 400 MW @ Tariff of Rs.4.5/kWh(inclusive of trading margin) on 27.10.2016 For the balance 100 MW, SECI has to finalize the tender. The total capacity of 400 MW was synchronized with the grid and supplying power to APDISCOMs.

2	Kurnool Ultra Mega solar park (1000 MW NTPC through developers)	Gani, Kurnool Dt	1000MW	<ul style="list-style-type: none"> State specific bundled scheme. APEPDCL entered PSA with NTPC on 08.01.2016 for purchase of 1000 MW bundled power. 1000 MW was commissioned and supplying power to APDISCOMs.
3	Ananthapuram- II Ultra Mega Solar Park (500 MW through APGENCO)	Talaricheruvu(V), near Tadipatri, Ananthapur(Dist)	500 MW	<p><u>For 500 MW at Tadipatri, Talaricheruvu(v)</u></p> <ul style="list-style-type: none"> APDISCOMs have entered PPA with APGENCO on 01.07.2017 for purchase of 400 MW solar power. Tariff - Rs.3.50/unit (Reduced tariff to Rs 0.07/unit of original tariff Rs.3.57 per unit). Expected to be commissioned by FY 2018-19.
4	Kadapa Ultra Mega Solar Park (1000 MW) (750 MW for SECI VGF scheme and 250 MW for NTPC bundling scheme through developers)	Kadapa	1000 MW	<p><u>A. For 250 MW Project at Mylavaram, Kadapa by NTPC</u></p> <ul style="list-style-type: none"> State specific bundled scheme APDISCOMs entered PSA with NTPC on 11-12-2017. Tariff - Rs. 3.15/unit As per the PPA, the Scheduled COD is 13 months from the date of signing of PPA & is expected to be commissioned by March'2019. <p><u>For 750 MW Solar project at Kadapa District by SECI</u></p> <ul style="list-style-type: none"> APDISCOMs have entered PSA with SECI on 27.07.2018 @ Tariff of Rs.2.77/kWh for 500 MW and @ Rs.2.78/kWh for 250 MW. As per the PPA, the Scheduled COD is 21 months from the date of signing of PPA & is expected to be commissioned by July '2020. This project is included in the Revised Resource plan for 4th & 5th control periods (FY 2019-20 to FY 2028-29) submitted to APERC in the month of July'2018
Total			4000 MW	

SOUTHERN POWER DISTRIBUTION COMPANY OF AP LTD

From
Chief General Manager (P&MM, IPC),
APSPDCL, Kesavayanagunta,
Besides Srinivasa Kalyanamantapam,
Tiruchanur Road, Tirupati - 517 501.

To ✓
The Secretary,
APERC, 4th Floor,
Singareni Bhavan,
Red Hills, Hyderabad.

Lr. No. CGM (P,MM & IPC)/APSPDCL/F.NTPC PSA /D.No. 74 /19, Dt: 08.03.2019.

Sir,

Sub: APSPDCL - Solar Bidding - Approval of Power Sale Agreements signed by APDISCOMs with M/s NTPC at NP kunta Solar Park Anantapur Dist under the scheme of the Jawaharlal Nehru National Solar Mission (JNNSM) of Gol - Requested - Regarding.

- Ref: 1. Prl. Secy, GoAP/Energy, I&I, Letter dated 05.12.2017
2. Lr. No. CGM (P,MM & IPC)/ APSPDCL/F./D.No.681/18, Dt:02.02.2018
3. Lr. No. CGM(P, MM & IPC)/APSPDCL/F.NTPC PSA /D.No. 79/18, Dt: 11.5.18
4. Lr. No.CMD/CE/IPC & PS/F. /D.No. 43/18, Dt. 15.05.2018.
5. Letter No. 1331/Power.11(2)/2017 Dt: 31.05.2018
6. Lr. No. CGM(P.MM& IPC)/APSPDCL/F.NTPC PSA/D.No. 123/18, Dt: 07.06.2018.
7. Lr. No. APERC/JD (PPP)/DD(PPP)/F.No.e-1058/D.No.611/2018, Dt:18.07.2018.
8. Lr. No. CGM (PMM & IPC)/APSPDCL/F.NTPC PSA/D.No.322/18.Dt.06.11.2018.

* * *

Further to the letter under ref. 8th cited, the under signed after due approval or Chairman & Managing director is directed to submit the following:

1. At present 500 MW Thermal power is being supplied by M/s. NTPC under bundling scheme from their unallocated share towards 1000 MW Solar Park at Gani. Similarly, M/s. NTPC has to supply 125 MW for NP Kunta Solar Park. Go AP and APDISCOMs are continuously pursuing with M/s. NTPC for 125 MW power. After receiving the information from M/s. NTPC with regard to bundled power and the effective price, the same will be submitted the Hon'ble commission.
2. Go AP had issued the Wind & Solar Policies in order to promote Wind & Solar Projects in the state of Andhra Pradesh and to achieve the targets envisaged by the Gol. It is to submit that, the solar tariffs (Rs. 2.72/KWH for 250 MW and Rs 2.73 /Kwh for 500 MW)discovered through competitive bidding process by NTPC for 750 MW (Phase-II) NP Kunta, Ananthapur Solar Project are the lowest tariff when compared to-the PPA/PSAs entered earlier by APDISCOMs with Solar Power Developers like NTPC, SECI , APGENCO & others. It is to submit that the long term PPA



entered with NTPC at this lowest cost will facilitate APDISCOMs to replace the high cost power during day time and the same is in line with the spirit of Hon'ble commission directions that APDISCOMs shall avoid burdening of high cost unwarranted power.

3. During the review meeting held by GoAP, the Solar Power Developers expressed that unless the PPAs are approved by Hon'ble APERC, the financial closure will be held up by the lenders, which will result in delay of the availability of cheaper power to APDISCOMs.
4. In light of the above, the Hon'ble Commission is requested to grant approval for the long term Power Sale Agreements (PSAs) signed by APDISCOMs with M/s NTPC at an early date.

Yours faithfully,



Chief General Manager (P&MM, IPC)

Encl: As above.

Annexure-II

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		Galiveedu Mandal, Kadapa district	500 MW	<p><u>For 500 MW at Kadapa (VGF Scheme)</u></p> <ul style="list-style-type: none"> • APDISCOMs have entered PSA with SECI for 400 MW @ Tariff of Rs.4.5/kWh(inclusive of trading margin) on 27.10.2016 • For the balance 100 MW, SECI has to finalize the tender. • The total capacity of 400 MW was synchronized with the grid and supplying power to APDISCOMs.
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4	<p>Kadapa Ultra Mega Solar Park (1000 MW)</p> <p>(750 MW for SECI VGF scheme and 250 MW for NTPC bundling scheme through developers)</p>	Kadapa	1000 MW	<p>A. <u>For 250 MW Project at Mylavaram, Kadapa by NTPC</u></p> <ul style="list-style-type: none"> State specific bundled scheme APDISCOMs entered PSA with NTPC on 11-12-2017. Tariff - Rs. 3.15/unit As per the PPA, the Scheduled COD is 13 months from the date of signing of PPA & is expected to be commissioned by March'2019. <p><u>For 750 MW Solar project at Kadapa District by SECI</u></p> <ul style="list-style-type: none"> APDISCOMs have entered PSA with SECI on 27.07.2018 @ Tariff of Rs.2.77/kWh for 500 MW and @ Rs.2.78/kWh for 250 MW. As per the PPA, the Scheduled COD is 21 months from the date of signing of PPA & is expected to be commissioned by July '2020. This project is included in the Revised Resource plan for 4th & 5th control periods (FY 2019-20 to FY 2028-29) submitted to APERC in the month of July'2018
Total			4000 MW	