

**Northern Power Distribution Company of Telangana Limited**  
Corporate Office, # 2-5-31/2, Vidyut Bhavan, Nakkalagutta, Hanamkonda, Warangal – 506 001

From  
The Chief General Manager (IPC&RAC),  
TSNPDCL, Corporate Office,  
Hanamkonda.

To  
✓ The Commission Secretary,  
TSERC, 5<sup>th</sup> Floor,  
Singareni Bhavan, Red Hills,  
Hyderabad.

Lr.No.CGM(IPC&RAC)/GM(IPC & RAC)/DE/ADE(IPC)/F.Madhucon D.No. 456 /21,Dt.06 .01.2022

Sir,

**Sub:** - TSNPDCL – Proposals seeking consent for Draft PPA entered with M/s. Madhucon Sugar & Power Industries Limited, 24.2 MW Bagasse co-generation plant at Rajeshwarapuram, Ammagudem Post, Nelakondapally (M), Khammam Dist. for the capacity of 19 MW for the balance life period of 20 years of the project from COD 20.10.2008 i.e., up to 19.10.2028 – Justification for procurement of power - Replies Submitted - Reg.



**Ref:-** 1) Lr.No.TSERC/Secy/JD(TE)/F.No.E-404327/ D.No.611/21,dated: 30.12.2021.  
2) Lr.No.CGM(IPC&RAC)/GM(IPC & RAC)/DE/ADE(IPC)/F.Madhucon/D.No.416 /21, Dt.10 .12.2021

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With reference to letter 1<sup>st</sup> cited above, the point-wise replies are hereunder submitted as follows.

- a.** TSNPDCL has to Submit justification for procurement of 19MW bagasse based RE power from M/s Madhucon Sugar & Power Industries Limited, 24.2MW Bagasse Co-generation Plant at Rajeshwarapuram, Ammagudem Post, Nelakondapally (M) Khammam Dist for the capacity of 19MW for the balance life period of 20years of the projects from COD 20.10.2008 i.e., up to 19.10.2028.
- Reply:** It is to submit that while considering the existing Renewable Energy capacities along with the potential availability of RE in the state of Telangana, TSERC issued Regulation No. 2 of 2018, dated 30.04.2018 prescribing the Renewable Power Purchase Obligation to be met by TSDISCOMs, for the FY 2018-19 to FY 2021-22, as follows:

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%

(i) The details of RPP0 met against the above targets is as submitted below :

FY	Solar RPP0	Non-Solar RPP0
	Met by TSDISCOMs	Met by TSDISCOMs
2018-19	9.57%	0.83%
2019-20	9.86%	0.67%
2020-21	9.20%	0.79%

TSDISCOMs achieved TSERC prescribed "Solar RPP0" for FY 2019-20, but couldn't meet the Non-Solar RPP0.

Further, the Agreements period of most of the Non-solar projects (Biomass, Bagasse and Mini Hydel) are expiring by the end of FY-2021-22 and FY-2022-23. List of the projects are submitted below:

Sl. No	Name of the Developer	Capacity in MW	COD	Date of expiry of PPA	Remarks
I. Biomass					
1.	M/s Gowthami Bio Energies Ltd.	6	23.07.2001	22.07.2021	PPA is already expired
2.	M/s Rithwik Power Projects Pvt. Ltd.	6	23.11.2002	22.11.2022	
4.	M/s Shalivahana Green Energy Limited	6	07.12.2002	06.12.2022	
	<b>Sub-Total</b>	<b>18</b>			
II. Bagasse					
1.	M/s Kakatiya Cement Sugar & Industries Ltd	16.7	12.04.2002	11.04.2022	
3.	M/s Gayatri Sugars Ltd. (Nizamsagar)	16.5	16.05.2007	15.05.2027	
4.	M/s Gayatri Sugars Ltd. (Kamareddy)	6	23.05.2001	22.05.2021	Extended for 5years (23.05.21 to 22.5.2026)
	<b>Sub-Total</b>	<b>39.2</b>			
III. Mini Hydel					
1.	M/s AAAL (Saraswathi Power & Industries Pvt Ltd)	2	02.10.2001	01.10.2021	(Extended for 5years (02.10.21 to 01.10.2026)
2.	M/s Kallam Spinning mills	4	29.01.2002	28.01.2022	
	<b>Sub-Total</b>	<b>6</b>			

IV. Industrial Waste based projects					
1.	M/s MSR Mega Bio Power Pvt Limited	7.5	01.06.2016	31.05.2036	
	<b>Sub-Total</b>	<b>7.5</b>			
V. VI. MSW/RDF and Wind based projects					
			nil		
	<b>Grand Total</b>	<b>70.7</b>			

As detailed above, Out of 70.7MW capacity under PPA, some of the Non-solar projects 38.7MW capacity are going to expire by FY-2021-22 & FY-2022-2023.

As such, keeping the limited availability of Non-Solar RE potential, in view, the power from this M/s Madhucon Sugar & Power Industries limited bagasse project could help the TSDISCOMs to achieve Non-Solar RPPO.

b). TSNPDCL has to intimate Whether, M/s Madhucon Sugar & Power Industries Limited is availing power supply from TSNPDCL for the auxiliary Consumption through HT service connection or not.

**Reply:** TSNPDCL is having HT Service connection of M/s Madhucon Sugar & Power Industries Limited KMM - 510 with contracted Maximum Demand of 1200 KVA. Out of total plant capacity of 24.2 MW, 1.7 MW is for auxiliary consumption and 3.5 MW is for captive consumption and balance 19 MW is for sale to TSNPDCL.

Yours faithfully,

  
**CHIEF GENERAL MANAGER**  
**IPC & RAC/TSNPDCL/WGL**

**Copy submitted to:**

The Executive Director/Commercial/TSPCC/Vidyut soudha, Hyderabad.