

To,
The Commission Secretary,
Telengana State Electricity Regulatory Commsission,
Lakdi-ka-pul,
Hyderabad- 500 063

Date: 08.12.2021

Respected sir,

Sub: Request for Connection request and comments on Draft Model connection agreemnet

We are M/s Om Shree Papertek (P) Ltd a 300 TPD(ton per day) kraft paper manufacturing unit engaged in this business since past four years. We propose to install additional paper manufacturing machine facility with an installed capacity of 200 TPD. Our contracted demand is 4 MW with connection number MDK2509 from Manohrabad substation and in addition to this we propose to install an co-generation plant with an capacity of 4-4.5 MW.

We fall under Case 3© and are bulk consumers at 33 Kv side and we fully endorse an policy on Model connection agreement between consumer, TS DISCOMS and TS TRANSCO. This will be helpful for bulk consumers like us who have to compete with rest of Indian where the power is allowed to generate and consume for captive usage.

Existing Process:

We are using 18TPH husk (Bio-mass fuel) fired boiler for our process steam. The steam is generated is at 16.5 kg pressure and the same would be utilized in the paper drying, starch cooking process and its process auxiliaries with the required & desired heat applications.

New / Proposed Process:

We propose to install a new boiler of 45TPH capacity with the working pressure 67kg/cm² and 490 deg.C steam temp., The new installed equipment has pressure requirement ranging from 25 kg to 3.5 kg depending upon the required steam is applicable in paper drying in existing machine and new plant, Starch cooking for new and existing plant, hot disperser and Boiler's de-aerator etc.

Our existing requirement is about 4 MW and which is drawing from Grid. For the newly installing machine will require another 3 MW of power, now we are initiated the process to **enhance our MD to 6 MW / 6000 KVA**. So, the steam demand for the existing and the new plant is almost to 40TPH with various heat & pressure applications of the paper production system. Hence the management is proposed to install the Co-gen captive power plant by installing 45TPH high pressure Boiler to meet the Process steam demand as well as to obtain the captive power by utilizing the same steam thru injecting into steam Turbine as a by-

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product of Co-gen plant. Further to this process we are expected to generate **4 MW - 4.50MW**(approx.)power will be generated thru this steam turbine and the exit steam from turbine could have utilized for the process needs by its design heat applications.We propose to use remaining power from the grid to suffice our requirement. Thus, we utilize only 50% of our requirement thru Cogen plant and rest from the GRID / TSSPDCL.

Purpose & Advantages of in-house Co-gen Captive Power Plant:

- For the reliable steam generation and meeting the total process steam demand
- For the reliable power generation with the available (Boiler) resources
- For the Economic aspects, combined in-house (captive) steam & power only could support the process expenses and product marketability
- Installing higher capacity Boiler for the Steam demand and depending for the additional power on the Grid is not at all productive and it affects to waste the resources too.
- Installing the Captive co-gen unit without consuming an additional fuel is helping to savings of resources and the Nation in broad aspects.
- However, we are going to utilize the Biomass Fuels (like paddy husk, shredded fibresetc) only to generate the steam in our proposed boiler unit and the same would be releases less pollution and its Ashes also utilized to make the fly ash bricks and the soil fertile mixtures.

In this connection, the proposed co-gen captive power unit could only support our production and marketability margins by making the in-house steam & power supplies with minimized / comprehensive expenses and to sustain the reliable steam and power with the required volume.

You are most requested to consider our proposed request in view of effective utilization of resources, pollution control& increase in employment and to support the industry to self-sustain.

Now, we request you to please direct of bring in regulation such that we are given **technical feasibility or connection request** for our proposed plant, accordingly we will install the Co-gen plant and request you for the Final Synchronization.

For Omshree Paper tek Pvt.Ltd.,

Authorized Signature



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SE / IPC / TSSPDCL / Corporate Office.