

PUNJAB STATE ELECTRICITY REGULATORY COMMISSION
SITE NO. 3, BLOCK B, SECTOR 18-A, MADHYA MARG, CHANDIGARH

Petition No. 70 of 2021
Date of hearing: 23.02.2022
Date of Order: 11.03.2022

Petition under Regulation 7.1.1 of the Supply Code 2014 by PSPCL for seeking relaxation of Supply Code Regulation 7.1.1 from the Commission for release of New Connection of 200 MW/ 200 MVA permanent power at 400 kV supply voltage to HPCL Mittal Energy Ltd. Phullokari under the category Large Supply in sub-division Raman under Division Maur, (RID No. 18846).

AND

In the matter of: Punjab State Power Corporation Limited, The Mall, Patiala,
Punjab.

.....Petitioner.

Present: Sh. Viswajeet Khanna, Chairperson
Ms. Anjuli Chandra, Member
Sh. Paramjeet Singh, Member

PSPCL Sh. Harjit Singh Gill, CE & ARR & TR
Sh. Deepak Gupta, SE/TR-2
Sh. Mukesh Kumar, ASE/TR-5
Sh. Massa Singh, CE/West Bathinda

ORDER

Punjab State Power Corporation Limited (PSPCL) has filed the present petition seeking relaxation of Regulation 7.1.1 of the Supply Code, 2014 for release of new connections to HPCL Mittal Energy Limited (HMEL) with a load/demand of 200MW/200MVA at 400kV supply voltage by allowing two sources of supply in one premises after clubbing of the loads. PSPCL submitted that a large supply connection with a sanctioned load/demand 35MW/38.889MVA fed at 220 kV is already running in the project area for the refinery unit of HMEL. Now the consumer has applied for a load/demand of 200MW/200MVA for its Petrochemical unit which is being setup in the adjoining land and this load is to be fed at 400kV. The feasibility clearance was issued by PSPCL on 12.09.2018. The firm has submitted the A&A form and has also deposited all the charges. All the towers of 400kV line have already been erected and 80% sagging of conductor has been completed. The 400KV switching station is also ready for charging. As

a part of the Petro unit is ready so the consumer requested for release of partial load/demand of 25 MW/27.778 MVA from existing 220kV supply system, which has been released by PSPCL. A team of PSPCL Officers visited the premises of HMEL and observed that though electrically and operationally both the petro and refinery units are isolated but due to their security/operational requirements, it would not be possible for the consumer to physically partition the premises for its two units. PSPCL proposed that after clubbing the load of both the units, the combined load may be fed from two sources of supply i.e. 220kV and 400kV along with appropriate metering arrangement. Accordingly, PSPCL requested the Commission to grant relaxation to Regulation 7.1.1 of the Supply Code, 2014 to allow two sources of supply in one premises for catering the load of 200MV/200 MVA at 400kV and existing load 35MW/38.889MVA at 220kV.

The petition was taken up for hearing on admission on 05.01.2022. The Commission raised queries regarding the feasibility of catering to a combined load of the consumer after clubbing from two different supply voltages and also on the other related safety/ commercial issues. The officer appearing for PSPCL sought time to review the matter in consultation with their higher authority and requested for time to file a comprehensive reply to the queries of the Commission. PSPCL submitted its reply vide memo no. 5395 dated 23.02.2022.

After hearing the representative for PSPCL, the petition was admitted. PSPCL has further submitted that though the refinery unit having a load/demand of 38MV/38.889MVA and the petrochemical unit with a sanctioned load/demand of 200MV/200MVA are physically and electrically isolated but the premises of HMEL cannot be physically separated since the petrochemical unit will require flow of steam/other products from refinery and vice-versa. However there is an internal road in the project area which divides the areas of these two units. It has further been submitted by PSPCL that the project is first of its kind in the State and in view of the power surplus scenario, certain relaxations are required to facilitate implementation of the Mega project. PSPCL argued that by allowing both the connections in the same premises without physical separation there will be no revenue loss to the utility. Accordingly, PSPCL requested for relaxing Regulation 6.5.1 of the Supply Code, 2014 to allow these two connections in the same premises.

Observations and Decision of the Commission

PSPCL has submitted that the refinery unit of HMEL with a load/demand of 35MW/38.889 MVA is fed at 220 kV and the petrochemical unit with a load/demand of 200 MW/200 MVA is to be fed at 400 kV. Both the units are electrically separated and the area for two units has been separated by an internal road in the project area. PSPCL has prayed to relax conditions of Regulation 6.5.1 of the Supply Code, 2014 and allow release of these two connections in the same premises keeping, in view the operational problems in physical separation of the two units of HMEL.

The Commission observes that, HMEL has erected 220 kV grid sub-station as well as 400 kV grid sub-station for its refinery and petro chemicals units separately. Since the tariff of industrial consumers for demand exceeding 2500 KVA is the same, thus there will not be any revenue loss to the licensee by allowing two connections for electrically separate units in the same premises at different voltage levels. There will also be no undue gain to HMEL as they have invested in 220 kV grid sub-station at petro-chemical unit as well as 400 kV grid sub-stations in refinery unit. In view of the above, the Commission as per the powers vested in it by Regulation 46 & 47 of the Supply Code, 2014 read with Regulation 69 of PSERC (Conduct of Business) Regulations, 2005, relaxes the condition of physical separation of the premises housing the refinery and petrochemical units of the HMEL as a one time measure and as an exceptional case. It shall be the responsibility of both the distribution licensee and the consumer to ensure that both the units remain electrically separated and under no circumstances the supply of one unit is used to feed another unit. Both the licensee and the consumer shall also ensure that all the safety Regulations are followed in letter and spirit. The consumer shall put suitable sign boards etc at appropriate places to facilitate demarcation/identification of the areas/machinery/equipments fed from two different sources of supply.

The petition is disposed accordingly.

Sd/-

(Paramjeet Singh)
Member

Sd/-

(Anjali Chandra)
Member

Sd/-

(Viswajeet Khanna)
Chairperson

Chandigarh
Dated: **11.03.2022**