

**BEFORE THE HARYANA ELECTRICITY REGULATORY COMMISSION AT
PANCHKULA**

Case No. HERC/P. No. 104 of 2025

Date of Hearing : 16/04/2026

Date of Order : 30/04/2026

IN THE MATTER OF:

Petition under Regulation 3.2.2 of Haryana Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2014 (2nd Amendment) Regulations, 2019 read with Haryana Electricity Regulatory Commission (Conduct of Business) Regulations, 2019 seeking approval of the Hon'ble Commission for allowing power supply connection of 6.25 MVA load at 220 kV Voltage level to provide connectivity to 220 kV Traction Sub-Station of Haryana Rail Infrastructure Development Corporation Limited at Village Chandla Dungerwas.

Petitioner

Dakshin Haryana Bijli Vitran Nigam Ltd., Vidyut Sadan, Vidyut Nagar,
Hisar Through its authorized representative

VERSUS

Respondent:

1. Haryana Rail Infrastructure Development Corporation Limited Plot No 143, 5th Floor, RailTel Tower, Sector-44, Gurugram.
2. Haryana Vidyut Prasaran Nigam Limited (HVPNL), Shakti Bhawan, Sector-6, Panchkula.

Present

On behalf of the Petitioner

1. Ms. Aerika Singh, Advocate
2. Sh. Lovepreet Singh, Advocate
3. Sh. Pardeep Kumar Saini, SDO, DHBVN

On behalf of the Respondent.

Sh. Anurag Rai, AM, HRIDCL

QUORUM

Shri Nand Lal Sharma, Chairman
Shri Mukesh Garg, Member
Shri Shiv Kumar, Member

ORDER

1. Petition:

- 1.1 That the present petition is being filed through Amit Kamboj, presently working as Executive Engineer, Dakshin Haryana Bijli Vitran Nigam Ltd. (“DHBVNL”), who is authorized to file the present Petition and is also fully conversant with the facts and circumstances of the case based on knowledge derived from the record.
- 1.2 That the present petition is being filed under Regulation 3.2.2 of the Haryana Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2014 (2nd Amendment) Regulations, 2019 (“Supply Code”) seeking approval of the Hon’ble Commission for allowing power connection with a connected load of 5MW (5000 kW) with contract demand of 6.25 MVA load at 220 kV voltage level to provide connectivity to 220 kV Traction Sub-Station (“TSS”) of Respondent No. 1- Haryana Rail Infrastructure Development Corporation Limited (“HRIDC”) at Village Chandla Dungerwas.

I. DESCRIPTION OF PARTIES:

- 1.3 That the Petitioner-DHBVNL is a State-owned distribution company incorporated under the Companies Act, 1956 upon the unbundling of the erstwhile Haryana State Electricity Board. The Petitioner holds the license for Distribution and Retail Supply of power in the Southern Zone of Haryana comprising Hisar, Fatehabad, Bhiwani, Sirsa, Faridabad, Gurugram-I, Gurugram-II, Palwal, Rewari, Jind, and Narnaul circles.
- 1.4 That Respondent no. 1- HRIIDC is a Joint Venture of the Government of Haryana (“GOH”) and the Ministry of Railway (“MOR”) with a mandate to take up planning and implementation of various rail infrastructure projects in the State of Haryana. HRIDC is undertaking the development of the Haryana Orbital Rail Corridor (“HORC”) project which connects Palwal to Sonipat via Sohna, Manesar, and Kharkhoda via broad gauge double railway line for passenger and freight traffic. The project aims to provide connectivity to the industrial hubs of Kharkhoda, Manesar and Sohna and will help in the development of this region of the State of Haryana.
- 1.5 That Respondent No. 2- Haryana Vidyut Prasan Nigam Limited (“HVPNL”) is a State Government owned company registered under Indian Companies Act, 1956 and is presently engaged in the business of Transmission in the State of Haryana. HVPNL has been notified by the State as the State Transmission Utility for the purpose of Section 39 of the Electricity Act, 2003 (“Act, 2003”).

II. FACTUAL MATRIX:

- 1.6 That the Respondent no. 1, on behalf of and for the purposes of implementation of HORC applied for a new electricity connection vide application no. G31-1123-182 on the online portal of the Petitioner for a load of 5MW with a contract demand of 6.25 MVA load at 220 kV voltage level. The Respondent had also deposited the ACD amounting to Rs.75,20,000/- (Rupees Seventy-Five Lakhs, Twenty-

Thousand Only) vide Demand Draft dated 13.09.2023 with the Petitioner herein.

- 1.7 That the Respondent no. 1 has projected the load requirement as 5 MVA from the year 2023-2026 and thereafter as 8 to 10 MVA. Attention in this regard is brought towards the Memo No. HRIDC/Elect/WS/HVPNL/TSS/2020/CD/1940 dated 06.06.2023 addressed by the Respondent No. 1 to the Petitioner herein, a copy of which is annexed, the relevant part of which is reproduced below:

“2. HRIDC is constructing Traction Sub-Station (TSS) at Chandla Dungerwas to feed 25 kV AC power supply to OHE. The power supply to this Substation TSS shall be fed by nearby HVPNL/ GSS.

The details of proposed TSS along with nearby GSS is as under:-

| Sr. No. | Section | Railway TSS | Load projection year wise | | Nearby HVPNL GSS |
|---------|----------------|-------------------|---------------------------|-------------|------------------|
| | | | 2023-2026 | Beyond 2026 | |
| 1. | Palwal-Sonipat | Chandla Dungerwas | 5MVA | 8-10 MVA | Panchgaon |

Further, HRIDC vide letter dated 01.12.2023 has intimated that the ultimate load requirement would be 100 MVA in future. A copy of the said Memo No. HRIDC/Elect/WS/HVPNL/TSS/2020/CD/2399 dated 01.12.2023 is annexed.

III. FEASIBILITY REPORT FOR GRANT OF CONNECTIVITY:

- 1.8 That as per Regulation 3.2.1 of the Supply Code, the connectivity for a connected load of 6.25 MVA is admissible is 33KV level. However, Respondent no. 1 requested for release of the connection at 132 kV or 220 kV voltage level from the nearest grid substation. In view of such request, the technical feasibility for feeding the ultimate load of ~10 MVA was checked and examined by the Joint Committee consisting of officials of the Petitioner and the Respondent no. 2.

The Joint Committee examined the proposal regarding release of load to Respondent No.1's proposed TSS at Chandla Dungerwas by availing connectivity at the 220 kV level from the nearest HVPNL's substation at Panchgaon. The load requirement projected by HRIDC is 5 MVA for the period 2023–2026, 8–10 MVA beyond 2026, and an ultimate load of 100 MVA at 220 kV with Scott-connected transformers of 84 MVA and 100 MVA.

It is submitted that joint site inspections were also conducted by the Construction Wing, TS Wing and Design Wing of Respondent No. 2- HVPNL along with officials of Petitioner No.1-HRIDC. It was observed that additional space for two new 220 kV line bays was not available in the existing layout; however, it was found feasible to create the required bay space by dismantling the ROW of certain existing 66 kV lines and shifting the affected 66 kV D/C Panchgaon–Farukhnagar and 66 kV Pataudi–Harsaru LILO circuits on XLPE underground cables. The Design Wing, after detailed survey and examination, concurred that creation of two 220 kV bays is technically feasible subject to the shifting of these existing 66 kV lines. Accordingly, a dedicated 220 kV D/C Panchgaon–TSS Chandla Dungerwas line of

approximately 1 km with ACSR conductor and extension of the 220 kV busbar at Panchgaon is proposed to be constructed by Respondent No. 2-HVPNL on the deposit of cost by the Petitioner-HRIDC.

1.9 That, further so as to ensure system reliability and emergency preparedness for the 220 kV Panchgaon Substation was proposed by replacing the temporary T-off arrangement of the existing 220 kV Panchgaon (PGCIL)-Mau line with a permanent LILO of one circuit at 220 kV Panchgaon HVPNL's Substation, thereby providing a stable alternate source.

1.10 That, in view of the above, a Technical Feasibility Report was prepared by Respondent No. 2-HVPNL. The same was duly conveyed to the Petitioner by the Respondent No. 2 vide its Memo No. R.No.2125/Ch-9/NCR/GRG-1039 dated 13.10.2025, the relevant part of which is reproduced below:

"The technical feasibility is subject to execution of following works as deposit works of HORC/HRIIDC:

- i. The space for the creation of 2 no. 220kV bays for TSS Chandla Dungarwas of HRIDC shall be made available by dismantlement of ROW (3 nos Towers i.e. Ino 66kV M/C & 2nos. 66kV D/C) of 66kV lines i.e. 66 kV D/C Panchgaon - Farukh Nagar line & 1.ILO of one Ckt of 66 kV Pataudi-Harsaru line emanating from C-9 to C-12 bays at 220k V substation Panchgaon.*
- ii. Shifting the 66 kV D/C Panchgaon -Farukhnagar line & LILO of one ekt of 66 kV Pataudi Harsaru lines (in bays C-9 to C-12) at 220 kV substation Panchgaon on XLPE underground power cable in the switch yard of 220kV substation Panchgaon,*
- iii. Extension of existing 220kV Busbar at 220kV substation Panchgaon for accommodating new 220kV bays for 220kV connectivity of TSS Chandla Dungarwas of HRIDC."*

A copy of the Memo No. R.No.2125/Ch-9/NCR/GRG-1039 dated 13.10.2025 is annexed.

IV. LEGAL CONSPECTUS:

1.11 That it is submitted that Regulation 3.2.2 of Supply Code prescribes that power supply may be given at voltage other than those specified in Regulation 3.2.1 depending upon technical conditions of the transmission/distribution system, however, the same is subject to prior approval of the Hon'ble Commission.

As per Regulation 3.2.1 of the Supply Code, supply to a contracted load exceeding 5000kVA and up to 7500kVA shall be generally given at 33KV voltage level. The relevant excerpt of Regulation 3.2.1 is reproduced below:

"3.2.1 supply shall generally be given at the following voltages on the basis of contracted load:

| <i>Category</i> | <i>System of Supply</i> |
|--|-------------------------------|
| <i>Low Tension</i> | |
| <i>Contracted load upto 5KW</i> | <i>Single phase at 230V</i> |
| <i>Contracted load above 5KW and up to 50 KW</i> | <i>3 Phase 4 wire at 400V</i> |
| <i>High Tension</i> | |

| | |
|---|--------------------------|
| <i>Contracted load exceeding 50 KW and up to 5000 kVA</i> | <i>3 Phase at 11 kV</i> |
| <i>Contracted load exceeding 2000 kVA and up to 25000 kVA</i> | <i>3 Phase at 33 kV</i> |
| <i>Contracted load exceeding 5000 kVA and up to 75000 kVA</i> | <i>3 Phase at 66 kV</i> |
| <i>Contracted load exceeding 25000 kVA and up to 100000 kVA</i> | <i>3 Phase at 132 kV</i> |
| <i>Contracted load exceeding 75000 kVA and up to 320000 kVA</i> | <i>3 Phase at 220 kV</i> |
| <i>Contracted load exceeding 320000 kVA</i> | <i>Phase at 400 kV</i> |

Further, as per Regulation 3.2.2 of the Supply Code, prescribes as under:

“3.2.2 In case where supply, depending upon the technical conditions of the transmission/ distribution system and / or the requirement of the consumer, has to be given at a voltage other than specified in Regulation 3.2.1/ approved plan, the licensee may accept the request of the applicant with the approval of the Commission.

Further, in case 33kV voltage level is not available in the area of supply than load above 5 MVA upto 8 MVA may be served through 11 kV feeder with appropriate type/size of conductor. Provided, the difference of cost of 33 kV substation at the consumer end along with its connectivity from the distribution / transmission licensee’s substation including the bay and the actual cost of connection of 11 kV is borne by the consumer.

Provided further that, in case intermediate voltage level between 33 kV and 220 kV is not available in the area of supply of the licensee, the load upto 37.5 MVA may be served through 33 kV feeder with appropriate type/ size of conductor provided the difference of cost of substation as per Regulation 3.2.1 at the consumer end along with its connectivity from the distribution / transmission licensee’s substation including the bay and the actual cost of connection on 33 kV is borne by the consumer.”

In view of the above, the Petitioner has approached this Hon’ble Commission, seeking approval in terms of Regulation 3.2.2 of the Supply Code, reproduced above.

- 1.12 That it is further submitted that this Hon’ble Commission has previously granted similar approvals to HRIDC/HORC. Attention in this regard is invited to the Order dated 14.05.2024 passed in Petition No. 02 of 2024 titled *Uttar Haryana Bijli Vitran Nigam vs. Haryana Rail Infrastructure Development Corporation Ltd. & Anr.*, wherein this Hon’ble Commission was pleased to allow a petition seeking analogous relief, while holding as under:

“8. After considering written as well as oral averments of the petitioner, the Commission allows the petitioner to provide new power connection for feeding 220 kV Traction Sub-Station of Haryana Rail Infrastructure Development Corporation Limited at Village Mandothi for Haryana Orbital Rail Corridor Project with a connected load of 5MW with contract demand of 6.25 MVA load at 220 kV voltage level, as

prayed for, subject to the condition that in case the HRIDCL applies for extension of load in future in next 8 years or thereafter, in that case fresh technical feasibility from feeding source of 400kV shall be carried out and the cost of line/bays etc. if any shall be borne by HRIDCL.”

1.13 A copy of the order dated 14.05.2024 in Petition No. 02 of 2024, is also annexed.

V. CHARGES PAYABLE BY THE CONSUMER/ RESPONDENT NO. 1:

1.14 That, it is also clarified the entire cost involved in releasing the proposed load to Respondent No. 1 is required to be and shall be borne exclusively by Respondent No. 1 in accordance with the Haryana Electricity Regulatory Commission (Duty to Supply Electricity on Request, Power to Recover Expenditure Incurred in Providing Supply and Power to Require Security) Regulations, 2016, along with all subsequent amendments.

The Respondent No. 1 shall further furnish an undertaking to both Petitioner-DHBVNL and Respondent No.2-HVPNL confirming that any additional cost or charges, including service connection charges, supervision charges, departmental charges, deposit works cost, and any additional financial implications worked out at any later stage shall also be paid by them within 15 days from the date of issuance of such demand by either utility.

Additionally, Respondent No. 1-HRIDC shall execute a tripartite agreement with Petitioner-DHBVNL and Respondent No.2-HVPNL for the sanctioned load and shall deposit, prior to commencement of works, all applicable supervision charges, service connection charges, deposit work costs, and any other statutory or regulatory charges required for establishing the necessary connectivity and release of load. Further, all GST implications and guidelines on deposit works issued by Respondent No. 2-HVPNL, shall also be strictly adhered by all the parties herein.

1.15 That it is lastly submitted that, in compliance with the applicable Regulations, the Petitioner has duly examined the technical feasibility in accordance with the requirements of the consumer/Respondent No. 1. The sequence of events clearly establishes that the feasibility of providing power supply at the 220 kV level to Respondent No. 1 has been found acceptable, subject to deposit of the requisite charges as per the Regulations.

In view of the above facts and the prevailing legal position, the Petitioner respectfully seeks the approval of this Hon'ble Commission for providing a new power connection to the 220 kV Traction Sub-Station of Respondent No. 1 (HRIDC) at Village Chandla Dungerwas for the Haryana Orbital Rail Corridor, subject to the conditions specified and upon deposit of cost as mandated under the Regulations.

1.16 That the present petition is *bonafide* and in larger public interest.

1.17 That the requisite Court Fee has been duly deposited by the Petitioner.

PRAYER

It is, therefore, respectfully prayed that the present petition may kindly be allowed and this Hon'ble Commission may be pleased to:

- i. Allow this Petition and approve the grant of power connection to provide new power connection by feeding 220 kV Traction Sub-Station of Respondent No. 1-Haryana Rail Infrastructure Development Corporation Limited at Village Chandla Dungerwas for Haryana Orbital Rail Corridor Project with a connected load of 5MW with contract demand of 6.25 MVA load at 220 kV voltage level as per the recommendations of the joint technical feasibility committee report of UHBVN & HVPN and subject to deposit of cost as applicable for new connection as per HERC Regulations;
AND/OR
- ii. Pass such orders, as the Hon'ble Commission may deem fit and appropriate in the facts and circumstances of the present case.
AND FOR THIS ACT OF KINDNESS AND JUSTICE THE PETITIONER SHALL AS IN DUTY BOUND EVER PRAY.

2. The case was heard on 17/03/2026, None appeared on behalf of Respondent HVPNL. To the query of the Commission, Ms. Aerika Singh, counsel for the petitioner, submitted that HVPNL (R-2) is proforma respondent only and HRIDC (R-1) need not to file any reply to the petition. The representative appearing for HRIDC (R-2) affirmed and concurred with the submissions made by the Petitioner's counsel. The Commission expresses its displeasure regarding the non-appearance of HVPNL (R-2) and directs the Managing Director, HVPNL, to ensure strict compliance with the notices issued by this Commission and to ensure representation in future proceedings. The Commission observes that HVPNL and HRIDC are independent respondents in this case and are mandated to file their respective replies, duly supported by affidavits. Accordingly, directs respondents to file their replies within three (3) weeks.

3. Reply submitted on 07/04/2026:

- 3.1 That the present reply is being filed through Anurag Rail presently serving as Assistant manager Electrical (PS), who is duly authorized for the purpose and is well acquainted with the facts and circumstances of the present case. A copy of the authorization letter is annexed herewith.
- 3.2 That the present Petition has been instituted by the Petitioner seeking approval of the Hon'ble Commission for grant of power supply connection of 6.25 MVA load at the 220 kV voltage level, 8-10 MVA beyond 2026, and an ultimate load of 100 MVA at 220 kV for the purpose of providing connectivity to the 220kV Scott-connected transformer of 84 MVA and 100 MVA Traction Sub-Station of Haryana Rail Infrastructure Development Corporation Limited, situated at Village Chandla Dungerwas, pertaining to the Answering Respondent.
- 3.3 That it is respectfully submitted that the Answering Respondent has no objection to the reliefs sought in the present Petition. On the

contrary, it is submitted that the present Petition deserves to be allowed in view of the specialized operational requirements of railway traction systems, which necessitate efficient transmission of power over long distances with minimal losses. It is further submitted that, in terms of the *"PSI Guideline for Increasing Speed Potential to 160 KMPH on Indian Railways, Instructions No. TL/IN/0043 Rev. 01"*, connectivity for 2x25 kV railway traction systems can be availed only at 220 kV voltage levels. Accordingly, the Answering Respondent had requested that connectivity be granted at 220 kV voltage level, pursuant to which the present Petition has been filed.

- 3.4 That there exists no technical or legal impediment in granting connectivity at the 220 kV voltage level, and the same merits approval in the larger interest of facilitating the project being undertaken by the Answering Respondent.

Commission's Order:

1. The case was heard on 16/04/2026, as scheduled, in the court room of the Commission.
2. At the outset, Ms. Aerika Singh counsel for the petitioner submitted that HRIDCL has already submitted its reply and provided concurrence to the petition. The reply from HVPNL is not required as the feasibility report has already been put on record and the Commission may record her statement to this effect.
3. The Commission examined the petition in detail and heard the arguments of the Petitioner in the above matter. The primary issue is the approval to provide a power connection with a connected load of 5MW (5000 kW) and a contract demand of 6.25 MVA at the 220 kV voltage level to a Traction Sub-Station (TSS) of the HRIDC at Village Chandla Dungerwas. This project is a critical component of the Haryana Orbital Rail Corridor, a joint venture between the Government of Haryana and the Ministry of Railways aimed at connecting industrial hubs like Manesar and Sohna.
4. HRIDC applied for this connection via application G31-1123-182 and deposited an Advance Consumption Deposit (ACD) of Rs. 75,20,000/- via a Demand Draft dated 13.09.2023. While the initial load is 5 MVA for the 2023-2026 period, HRIDC has projected an increase to 8-10 MVA beyond 2026 and an ultimate load requirement of 100 MVA in the future.
5. The Commission observes that Regulation 3.2.2 provides an exception, allowing the licensee to accept requests for different voltage levels with Commission approval, depending on technical conditions or consumer requirements. A Joint Committee comprising officials from DHBVNL and HVPNL conducted a technical feasibility study and determined that

providing connectivity at 220 kV from the Panchgaon substation is feasible. This feasibility, conveyed via memo on 13.10.2025, requires specific infrastructure works, including the dismantlement of existing 66 kV line right-of-ways and the extension of the 220 kV busbar, to be executed as deposit works.

6. The petitioner clarified that HRIDC will bear the entire cost, including supervision and service connection charges, and will execute a tripartite agreement with DHBVNL and HVPNL.
7. During the hearing on 17/03/2026, the counsel for the petitioner noted that HVPNL is a proforma respondent and HRIDC concurred with the petition's averments, indicating no dispute between the primary parties and the core technical and legal justifications remain uncontested. Given the technical feasibility, the adherence to the Supply Code Regulations, and the significant public interest served by the project, the petition is hereby allowed. The petitioner is permitted to grant the 220 kV power connection to HRIDC's Traction Sub-Station at Village Chandla Dungerwas, subject to the deposit of all mandated costs and compliance with the technical conditions outlined in the feasibility report.
8. The petition is disposed of, in above terms.

This order is signed, dated and issued by the Haryana Electricity Regulatory Commission on 30/04/2026.

| | | | |
|-------------------------|------------------------------|-------------------------------|-----------------------------------|
| Date: 30/04/2026 | Sd/- (Shiv Kumar) | Sd/- (Mukesh Garg) | Sd/- (Nand Lal Sharma) |
| Place: Panchkula | Member | Member | Chairman |