

## **HARYANA ELECTRICITY REGULATORY COMMISSION**

**BAYS NO. 33- 36, SECTOR –4, PANCHKULA–134113, HARYANA**

**Discussion Paper for inviting comments/objections from stakeholders/ general public for finalization of draft Haryana Electricity Regulatory Commission Duty to Supply Electricity on Request and Power to Recover Expenditure and Power to Require Security Regulations 2016 (2<sup>nd</sup> Amendment) Regulation, 2023.**

### **Statement of Objects and Reasons:**

The Commission vide order dated 30.11.2021 (in HERC/ PRO 25 of 2021) “Apex Build Well Private Limited v. DHBVNL” had inter-alia directed the Licensee that in case, it proposes to release electricity connections at 33 KV level in variance with the provisions of the Supply Code, then the Licensee shall have to approach this Hon'ble Commission for the necessary approval.

Accordingly, DHBVN approached the Commission vide P. No. 04 of 2022 entitled “seeking approval for development of transmission/distribution system and release of connections in 33/0.4 KV Belt in the exclusive configuration of 220/33/0.4 kV and/or amendment/relaxation in HERC (Electricity Supply Code) Regulations, 2014 and HERC (Duty to Supply Electricity on Request, Power to Recover Expenditure Incurred in providing Supply and Power to Require Security) Regulations, 2016. While disposing the said petition, vide Order dated 28.03.2022, the Hon'ble Commission observed as under:

*“The Commission observes that there is an emerging need for amendment in Regulations/Supply Code, within which such pilot projects/infrastructure shall be created, operated etc. in the State of Haryana. The Commission shall, accordingly, initiate the process of the above.*

*Once appropriate framework is drafted, the Commission will place the same for comments from the Discoms and other stakeholders, including the general public.”*

The draft regulations for the pilot project in new Sectors 58 – 115 and Sector 37C & 37D of Gurugram, new sectors of Faridabad and areas falling on the left side of Delhi – Jaipur highway in Dharuhera, has been prepared and proposed as addendum to existing regulations as HERC (Duty to Supply Electricity on Request and Power to Recover Expenditure and Power to Recover Security) Regulations, 2016 (2<sup>nd</sup> Amendment) Regulation, 2023 for public / stakeholders consultation, (attached herewith at Annexure “A”). Based on the feedback received on the discussion paper, the HERC (Power to Recover Expenditure and Power to Recover Security) Regulations, 2016 (2<sup>nd</sup> Amendment) Regulation, 2023 shall be given a final shape by the Commission, after following the due process.

**THE HARYANA ELECTRICITY REGULATORY COMMISSION**  
**Bays No. 33-36, Sector-4, Panchkula-134112, Haryana**

**Draft Notification**

The 2023

**Regulation No. HERC /34 /2016/2<sup>nd</sup> Amendment/2023-**

The Haryana Electricity Regulatory Commission, in exercise of the powers conferred under sub-Section 2 (t, v) of Section 181 read with Section 43,46 & 47 of the Electricity Act 2003 and all other powers enabling it in this behalf, after previous publication, makes the following regulations:

**1. Short title, Commencement and Interpretation:**

- 1.1. These Regulations shall become the part of Haryana Electricity Regulatory Commission Duty to Supply Electricity on Request and Power to Recover Expenditure and Power to Require Security Regulations 2016 (2<sup>nd</sup> Amendment) Regulation, 2023.
- 1.2. These regulations shall come into force with effect from the date of their publication in the Haryana Government Gazette.
- 1.3. These regulations shall be applicable for the pilot project in new Sectors 58 – 115 and Sector 37C & 37D of Gurugram, new sectors of Faridabad and areas falling on the left side of Delhi – Jaipur highway in Dharuhera,

**2. Amendment to the Regulation 4: POWER TO RECOVER EXPENDITURE**

After regulation 4.15, a new regulation 4.16 shall be added as under: -

**4.16 Special provisions for the Pilot Project in new Sectors 58–115 and Sector 37-C & 37-D of Gurugram, new sectors of Faridabad and areas falling on the left side of Delhi – Jaipur highway in Dharuhera shall be followed as under:**

**4.16.1 SYSTEM VOLTAGE:**

In new Sectors 58 – 115 and Sector 37C & 37D of Gurugram, new sectors of Faridabad and areas falling on the left side of Delhi – Jaipur highway in Dharuhera, the electrical distribution system shall be 220/33/0.4 KV.

#### 4.16.2 **SYSTEM LOADING CHARGES (PER MVA) FOR RECOVERY OF EXPENDITURE IN PROVIDING SUPPLY:**

To curtail the delay in framing of estimates and to facilitate the uniform recovery of expenditure, the concept of system loading charges is being introduced.

The system loading charges shall cover the cost of 33 KV bay at feeding substation, cost of 33 KV U/G line 2 runs of 3x400 sq.mm from feeding substation up to 33KV switching station and the cost of 33 KV switching station.

This does not cover the cost of 33 KV feeding line from 33 KV switching station up to the premises of the consumer, its cost shall be borne by the consumer in addition to the system loading charges.

The system loading charges have been calculated taking average of cost estimate of ten switching stations (including the cost of 33 KV bay at feeding substation, cost of 33 KV U/G line 2 runs of 3x400 sq.mm from feeding substation up to 33 KV switching station and the cost of 33 KV switching station.)

The capacity of a switching station has been considered as 25 MVA.

#### **Per MVA system loading charges-Rs.31 lakh:**

The charges shall remain fixed for two financial years and thereafter, the licensee shall revise the charges based on standard cost data book of that financial year.

#### 4.16.3 **RELEASE OF CONNECTION IN CASE OF BUILDERS:**

The connection to the builders shall be released considering the following:

- i. Electricity connection(s) to builder(s)/developer(s) shall be released at 33KV voltage level for their project area/scheme for which license(s) obtained by the builder(s)/developer(s) from Town & Country Planning Dept of GoH or any appropriate authority.
- ii. Insofar as the plotted schemes are concerned, only multipoint connections shall be allowed.
- iii. The infrastructure up to and including 33 KV switching station shall be created by the Licensee after charging system loading charges from the builder, however the underground 33 KV line from switching station to builder's premises & internal distribution system with in his premises including 33/.04KV transformers shall be created by the builder.
- iv. Creation of 33 KV switching station within the stipulated timeframe along with adequate capacity shall be the responsibility of the licensee. Underground 33 KV line from switching station to builder's premises & internal electrical infrastructure for feeding supply to the project area/scheme shall be obligatory on part of the builder(s)/developer(s).

In order to utilize the electrical infra in an optimum manner, maximum 5 no builder(s)/developer(s) can be fed through a common independent 33kV Feeder using Ring Main Unit.

- v. As soon as the connection is applied by any builder(s)/developer(s), based on total ultimate load of the project the Licensee shall intimate the pro-rata charges as detailed in para 2 above (i.e. System Loading Charges per MVA) to the builder.
- vi. For creation of 33 KV switching station, the builder(s)/developer(s) having ultimate load of 1 MVA or above shall get the land (for institutional/public and semi-public use) of size approximately 500 sq. yards earmarked from DTCP or any other appropriate authority in their approved layout plan and handover the same to Licensee.
- vii. For the Single Point Connection, in the project area/scheme having ultimate load as greater than 15 MVA and up to 25MVA, the builder/developer at his own cost can be allowed to create a dedicated 33 KV switching station/substation on his land (approx. 500 Sq. yards for 33 KV switching station and approx. 1250 Sq. yards for 33kV substation, as the case may be) along with adequate capacity of external and internal electrical infrastructure (33/11 KV internal substation with 11/0.4 KV down linking distribution infrastructure or 33/0.4 KV internal distribution system commensurate to the Ultimate Load of his project area/scheme) for feeding supply to his project area/scheme. All the cost including 33 KV substation, cost of 33 KV line from feeding Sub-station and cost of 33 KV Bay shall be borne by the builder. In this case no system loading charges shall be leviable and further subject to the following:
  - a. Such dedicated 33 KV switching station/substation facility along with the internal distribution system created by the builder/developer shall be operated & maintained (O&M) by the builder/developer itself.
  - b. However, the O&M of the 33 KV underground feeding line(s), laid by the builder/developer from the 220/33 KV source substation to the dedicated 33 KV switching station/substation, shall be taken over by Licensee after successful execution of work by the builder/developer as per the service estimate approved by Licensee and energization of the system to the satisfaction of Licensee.
- viii. For the multipoint connections, in the project area/scheme having ultimate load as greater than 15 MVA and up to 25MVA, the licensee at his own cost shall create a 33 KV switching station (after charging system loading charges from the builder.) on the land to be provided free of cost by the builder (approx. 500 Sq. yards). Creation of internal electrical infrastructure (at 33/0.4 KV along with Distribution Transformers commensurate to the Ultimate Load) for feeding supply to his project area/scheme shall be the responsibility of the said builder.

Provided that, where Electrification Plan already stands approved, and the builder(s)/developer(s) has already created internal infrastructure on 11KV distribution network then 33/11/0.4 KV system shall be allowed subject to condition that Metering/Billing and other related provisions shall be as per HERC Single Point Regulation, 2020 in vogue. The internal distribution system created by the builder/developer for the project area/scheme shall be taken over by Licensee after successful execution of work by the builder/developer and energization of the system to the satisfaction of Licensee & handing over the facility further to the RWAs as per HERC Single Point Regulation 2020 in vogue.

- ix. Where electrification plan has already been approved on 11KV and adequate infrastructure for the ultimate load at 11 KV has been created, in such cases the cost for switch over from 11 KV to 33 KV shall be borne by DHBVN and such cost will form part of the ARR.
- x. Whereas, for any load of the project area/scheme of the builder/developer greater than 25MVA, as an alternative to the requirement of 66 KV Sub-Station stipulated under the HERC, Electricity Supply Code Regulation in-vogue, the development of 2 no. 33 KV switching station/substation with separate bays at feeding substation and separate feeding lines for each switching station /substation shall be allowed to the builder/developer for feeding the load greater than 25MVA at 33 KV level subject to approval from HERC.
- xi. Builder(s)/Developer(s), seeking electricity connection (Single/Multipoint) and having ultimate load of their individual project area/scheme one MVA or above but less than 15 MVA, would need to form a group in a manner that the combined ultimate load of the group is limited to 25 MVA and together they would handover/transfer the Land parcel of size approx. 500 Sq. yards to Licensee free of cost for creation of 33 KV switching station.
- xii. Upon handover/transfer of the Land parcel of size approx. 500 Sq. yards by the group of builder(s)/developer(s) to Licensee free of cost for creation of 33 KV switching station, such switching station along with the feeding line from the source substation shall be constructed, operated, and maintained by Licensee. However, Pro- rata system loading charges shall be recovered from all such builders.

#### **4.16.4 RELEASE OF CONNECTION IN CASE OF GENERAL/NON-BUILDER CONSUMERS:**

The connections to the General/Non-builder consumers, (i.e., School, Petrol pump, Gas & EV Charging Station, Hospital & Clinic, Hotels, Restaurant, Marriage places, Banquets, showrooms, individual shops in shopping centers& Govt. offices/buildings, which are not part of licensed area of any builder(s)/developer(s) schemes) falling in the command areas of Sectors 58 – 115 and Sector 37C & 37D of Gurugram, new sectors of Faridabad and areas falling

on the left side of Delhi – Jaipur highway, of 220/33/0.4 kV belt & villages existing in the periphery of the above shall be released considering the following:-

- i. After the capacity utilization of 33 KV switching station(s) facility by the group of builder(s)/developer(s) in the above areas, remaining capacity of the 33 KV switching station(s) shall be at the sole discretion of Licensee.
- ii. Remaining capacity & augmented capacity beyond 25 MVA of the 33 KV switching station(s) may also be utilized by Licensee at its own for giving supply to the general/non-Builders consumers and peripheral villages falling in the area, as per the requirements arisen out lately.
- iii. As per the need assessment, Licensee shall lay U/G 33 KV General/Urban Feeder(s) (with max length as 4 KM), from nearby 33KV Switching Station(s) for feeding the sanctioned load/contracted demand of the General/Non-builder consumers.
- iv. Mode of giving supply to the general individual consumers from 33 KV General/Urban Feeder(s):
  - a. LT Supply Category (up to 50 KW) as per HERC Supply Code: - Such connections shall be released at 0.433 KV voltage level and Licensee shall install 33/0.433 KV Distribution T/Fs on 33 KV General/Urban Feeder(s) along with LT network. In this category only, the service connection charges as per existing regulation shall be applicable. The applicable line length up to which only the service connection charges shall be applicable shall be 300 meters. Beyond this the present instructions for recovery of expenditure shall be applicable.
  - b. HT Supply Category (above 50 KW & Contracted load up to 5 MVA) as per HERC Supply Code: - Such connections shall be released from 33KV General/Urban Feeder(s) at 33 KV level through RMU arrangements. After charging pro-rata system loading charges. The cost of laying of 33 KV underground line from RMU to the consumer premises shall also be borne by the consumer in addition to above system loading charges.
- v. Supply through 33 KV Independent Feeder to the general individual consumers can be allowed where the applied contracted load is above 5 MVA. This condition of load, however, shall not be applicable for connections required for essential services. The independent feeder shall be allowed from nearby switching station as per technical feasibility & availability of bay.
- vi. For any interim release of HT/LT supply connections to the general individual consumers from the existing 11 KV or LT distribution network due to the non-readiness of the 33 KV system of electricity distribution, following shall be the preconditions:
  - a. For LT supply consumers, service connection charges as per existing regulation considering 300-meter service line length shall be got deposited before release of their connections.

- b. For HT supply consumers above 50 KW the Licensee shall recover pro-rata system loading charges.
- c. Conversion of supply from 11KV to 33 KV if required at later stage shall be done by the licensee at its own cost.
- vii. Electricity distribution system for the villages falling in and around Sectors 58 – 115 & Sector 37C & 37D of Gurugram, new sectors of Faridabad and areas falling on the left side of Delhi – Jaipur highway shall be fed at 11/0.433 kV voltage level. This is because development of infrastructure in villages at 33/0.433 KV level shall have ROW issues besides the fact that 33 KV level shall be hazardous and there will be safety issues in the villages. For feeding such villages at 11 KV, Licensee shall take up the matter with Panchayat of the Villages or ULBs or Govt. to make the land available for creation of compact 33/11 KV Sub Station and accordingly shall lay the 33 KV feeder from nearby 33 KV Switching Station/Substation to cater these 33 KV Sub Station. However, the 11KV electrical system of primary distribution for villages shall not be extended outside the boundary/Lal Dora of the village.
- viii. The above provisions of electricity feeding arrangements to the General/Non-builder consumers shall however be without prejudice to the rights of Licensee to alter or modify or optimize it further, as per any specific directions of Licensee & HERC.
- ix. The licensee shall maintain sufficient inventory of 33/0.4kv standard rating DTs (from 50KVA to 2MVA) and shall issue the same to consumers at store issue rate till such time the said rating Distribution transformers are readily available in market on demand.

All the relevant applicable regulations shall stand amended to the above extent for the said Pilot Project only.

By the order of the Commission

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Secretary,

Haryana Electricity Regulatory Commission