Frequently Asked Questions (FAQ)

1) Classification of Supply under Regulation 6(1) of Supply Code Regulations:

Sl. No.	Classification	System of Supply
(i)	**Low Tension**	
a.	Load upto 10 Kw	Single phase at 230/240V
b.	Load above 10 kW and upto 200 kW/215 kVA	3 phase 4 wire at 400/415V
(ii)	**High Tension**	
a.	Load exceeding 100kW /108kVA and upto 4000kVA	3 phase at 11kV
(iii)	**Extra High Tension**	
a.	Load exceeding 4000kVA	3 phase at 33kV or above

Other details regarding schedule of charges and the procedure under Delhi Electricity Regulatory commission (supply code and performance standards) Regulations, 2017 is available on DERC website (http://www.derc.gov.in/) under the tab "*Supply Code and Performance standards*"

2) Applicable EV Tariff as per Hon'ble DERC Tariff Order for FY 19-20:

Supply	Fixed Charges	Energy Charges (Rs. / kWh)
Supply at LT	-	4.50
Supply at HT	-	4.00

Other levies such as Regulatory surcharge (8%), Pension Trust Surcharge (3.8%), Electricity Tax (5%) & PPAC (3.44%) shall also be applicable on the EV Tariff.

3) Schedule of Charges for connections (Supply Code):

- Security Deposit for permanent EV connection – Rs 2500/kW
  (Regulation 20(1) of Supply Code Regulation, order dated 28.09.2017
- Service Line Development Charges (SLD) at LT (up to 200 kW)
- Security Deposit for Prepaid meter EV connection – Rs 3000**
  ** Rs. 3000 shall be fixed security Deposit against Pre-paid meter per connection

Sl. No.	Connection Type	Classification	System of Supply	SLD charges (in Rs.) / HT Cost (Rs)	Security Deposit (in Rs)
1	Post Paid Connection Charges	Load upto 10 kW	Single phase at 230/240V	Rs 3000 (upto 5 kW) + Rs 500 Per KW	25000 (Rs. 2500/KW or KVA)
2		Load above 10 kW and upto 150 KW	3 phase 4 wire at 400/415V	Rs 3000 + Rs 500 Per KW maximum to Rs. 15000 + RRC at actual	3,75,000 (Rs. 2500/KW or KVA)
3		Load above 150 kW and upto 200 kW/215 kVA	3 phase 4 wire at 400/415V	Rs 15000 + Rs 400 Per KW or KVA + RRC at actual	5,00,000 (Rs. 2500/KW or KVA)
4	* Pre-Paid Connection Charges	Load upto 10 kW	Single phase at 230/240V	Rs 3000 (upto 5 kW) + Rs 500 Per KW	Rs. 3000 **
5		Load above 10 kW and upto 44 KW	3 phase 4 wire at 400/415V	Rs 3000 + Rs 500 Per KW maximum to Rs. 15000 + RRC at actual	Rs. 3000 **
* Prepaid Connection shall be upto 44KW.					
** Rs. 3000 shall be fixed security Deposit against Pre-paid meter per connection.					

4. Space for DT Substation to be provided by Applicant :

(4) The developer/applicant taking supply at Low Tension level for any premises or for re-constructed premises, requiring LT Service connections whose:

(i) total cumulative demand of all floors in the plot/ building for LT Service connection exceeds 100 kW/108 kVA; or

(ii) total cumulative built up area of the premises in the plot/building exceeds 1000 sqm; or

(iii) plot of size above 300 sqm or above;

shall provide the space for installation of distribution transformers, as per the required load:

Provided that the minimum space required to be provided by the developer/applicant for installation of distribution transformers/ equipment shall be as per circular no. South DMC/0148/SE(B) HQ/Add I. Com1/17 dated 30.03.20 17 notified by South Delhi Municipal Corporation or as amended from time to time, annexed at Schedule I :

1.1.2 Space Requirements for Electrical Sub-Station

Sl No	Total Construction area (in Sq. m)	Calculated load as per construction area in KW	Space requirement for Utility (LXW)	Minimum space requirement for applicant (LXW) in casse of HT/ Utility in case of electrification	Total Space for Electrical Services in Bldg plan (Sq M)
1	Construction area is as per applied/approved bldg plan.	100 -200	4 M X 5.3 M		21
2		201-800	6 M X 3 M	4 M X 5.3 M	39
3		801-1500	6 M X 3 M	2* (4 M X 5.3 M)	60
4		1501-2200	6 M X 3 M	3* (4 M X 5.3 M)	82
5		2201-2900	6 M X 3 M	4* (4 M X 5.3 M)	103
6		2901-3500	6 M X 3 M	5* (4 M X 5.3 M)	124
7		>3500	Applicant shall approach utility for approval of space and layout		

5. Estimated C02 emission reduction due to adoption of Electric Vehicle:

Reduction of CO2 from Exhaust of Vehicle.
Distance Cover per Charge =100 KM
Annual distance covered per vehicle – **260 working days** *100km = 26000 km per Annum
Mileage of diesel /petrol car – 12 km per liter
Annual fuel requirement - 2100 liter per annum
Co2 emission per annum per vehicle (petrol) - 4851 Kg Co2
Co2 emission per annum per vehicle (diesal) - 5628 Kg Co2

Representative calculations on Co2 emissions for ICE & EV vehicles :

Type of vehicle	Annual consumption (Liter, units)	Co2 Emission per annum (Kg)	Saving of CO2 Per Annum (kg)
Petrol	2100 per vehicle	4851	NA
Diesel	2100 per vehicle	5628	NA

Source: https://www.epa.gov/greenvehicles/greenhouse-gas-emissions-typical-passenger-vehicle

Representative Table of Charges for EV connections:

Charges of New EV_LT Category Connection

S.No	Type of charger	Applied Load (In KW)	Type of Connection (Pre-Paid/Post-Paid)	Security charges (In INR)	SLD Charges with GST (In INR) *	Total Demand Note Charges (In INR)	Tariff Charges for EV_LT Category excluding GST (In INR)	Benefits of EV_LT Category Connection
1.	LEVAC (Light Electric Vehicle AC charger) 3.3kW	3kW	Pre-Paid**	3,000	3,540	6,540	4.50 per Unit	Exemption of Fixed Charges
			Post-Paid (INR 2500 per kW)	7,500	3,540	11,040		
2.	Bharat AC001 (3.3kW * 3 Charging point)	10kW	Pre-Paid**	3,000	6,490	9,490		
			Post-Paid (INR 2500 per kW)	25,000	6,490	31,490		
3.	Fast Charger DC001 (15kW Single Gun)	15kW	Pre-Paid**	3,000	9,440	13,440		
			Post-Paid (INR 2500 per kW)	37,500	9,440	46,940		

Note: * SLD (Service line Cum Development Charges)