



Agency for New and Renewable Energy Research and Technology

നവീനവും പുനരുപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി

(Department of Power, Government of Kerala)

No. ANERT-TECH/55/2020-D-T

21/10/2021

CIRCULAR

Sub: ANERT- Carbon Neutral Governance Project- Revised Guidelines, Terms & Conditions, and Technical specifications of Lease contract Project of Electric Cars- reg

Ref:- 1. G.O.(P)No.24/2020/Fin dated 07/03/2020

2. G.O.(P)No.113/2020/Fin dated 19/08/2020

3. Agreement Executed between ANERT and EESL on 05/06/2020

4. Lr. No. EESL/20-21/BU(G)/ANERT/01 dated 02/09/2020

5. Amendment Agreement executed between ANERT and EESL on 22.09.2021.

As per the ref 1st cited, Finance department, Govt. Of Kerala had ordered that, all the depts are directed to hire only electric vehicles from EESL through ANERT by replacing already hired Diesel vehicles with effect from 01/04/2020. As per the ref (2) cited, Finance Dept, Govt of Kerala has sanctioned the indicative list of category of vehicles for different category Officers which is given below.

a. Officers of and above the level of Heads of Depts, District Collector, SP and District Judge- **Hyundai Kona Electric.**

b. All other Officers and Offices- **Tata Tigor EV, Mahindra eVerito, TATA Nexon EV.**

As per the ref 3rd cited, ANERT had executed an agreement with EESL, under Dept of Power, Govt of India for the lease contract project of various models of E Cars. As per the ref 4th & 5th cited, EESL has reduced the lease contract rate and Annual Escalation rate for Tata Nexon EV and Hyundai Kona Electric Cars. Revised Guidelines, Terms & Conditions, Lease Rent, Warranty and Technical Specifications are attached herewith.

I. Guidelines, Terms and conditions of Lease contract of Electric Car

Project

1. Govt. Departments/ Institutions shall visit ANERT website and give request through email emobility@anert.in.
2. Brand New E Car shall be delivered within 30 days from date of receipt of one month deposit amount.
3. Minimum Period of Deployment is 8 Years for HYUNDAI KONA Electric/ Tata Nexon EV.
4. The E-cars so leased would be privately registered in the name of the ANERT with hypothecation to EESL.
5. The cost of insurance of vehicles would be borne by ANERT/EESL during the entire period of the contract. The insurance agency would be selected by ANERT/ EESL at its own discretion. The insurance would be comprehensive in nature.
6. Cost of Electricity for Charging will be borne by the beneficiary organization. One unit of Electricity is required to run 8-10 Km of E Car approximately. Average Electricity charge is Rs. 1/- to Rs. 1.5/- per Km.
7. **Monthly Lease amount for one month shall be paid as advance on or before executing agreement. For Wet lease (With Driver), One month Driver Service charges shall also be paid in advance along with advance lease rent.**
8. ANERT shall raise an invoice for the payment of the monthly rental in the first week of every month for the payment due for the previous month.
9. There is no monthly Km limit for E Cars.

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10. Portable Charger available with Tata Nexon EV is 3.3 kW. 2 pole 32A MCB with 2 way enclosure is required in the car parking area for fixing the portable charger.
11. A portable Charger (2.8 kW) and a wall mounted charger (7.2 kW) is available with each Hyundai Kona Electric. **Three Phase KSEB connection** is required for providing 7.2 kW wall mounted charger of Hyundai Kona Electric. 2 pole 40A MCB with 2way enclosure is required in the car parking area to fix wall mount charger,
12. Batteries of the E Vehicles can be charged during night time. 6-10 hours required for full charge.
13. Concerned Department shall provide Electrical wiring work from Distribution Panel Board to the specified car parking area location for installation of Charger with separate earthing system. (Detailed diagram attached here with)
14. The cost of wiring work for TATA Nexon EV depends on Distance between Distribution Board & Car Parking Area and Quality of the existing Earthing System.
15. The cost of wiring work for Hyundai Kona Electric with proper earthing depends on distance between Distribution Board & Car Parking Area and Quality of the existing Earthing System.
16. In public charging stations (DC Fast charging), it will take 0.5 to 1 hours for full charge.
17. Online registration, please visit our website: www.anert.gov.in. For details, please contact Toll free Number 1800-425-1803.
18. Driver's service (Wet Lease) can also be provided by ANERT. Cost of Service of Drivers shall be extra and mentioned below.

Driver 8 hr Duty: Rs. 17,500/- + 18% GST. Rs. 200/- for extra hours.

II. Period of Contract, Warranty & Lease Rent of various models of E Cars

Sl No	E Car Model	Period of Contract	Vehicle Warranty/ Comprehensive AMC	Motor and Battery Warranty	Monthly Lease Rent (GST 5% Extra)	Annual Escalation
1	Hyundai Kona Electric (SUV)	8 years	Vehicle Warranty 3 Years or 1,25,000 Km (whichever is earlier)	8 Year or 1,60,000 km (whichever is earlier)	Rs. 42,840/-	05%
2	Tata Nexon EV (SUV)	8 years	Vehicle Warranty 3 Years or 1,25,000 Km (whichever is earlier)	8 Year or 1,60,000 km (whichever is earlier)	Rs. 27,030/-	05%

* Monthly lease rent includes 2% ANERT service charge as per the G.O.(P)No.113/2020/Fin dated 19/08/2020. Modifications in the lease contract amount, Annual Escalation charges and any other charges shall be performed based on the orders of Govt of Kerala.

All the repair & Maintenance work (Except Motor & Battery) of TATA Nexon EV/ Hyundai Kona EV shall be done by Client Dept. Please read the agreement format for the detailed terms & conditions regarding the termination of the contract, Warranty of E Cars. TATA Nexon EV carry a warranty of 3 years against manufacturing defects. The motor and car batteries too carry warranty upto 8 years or 1,60,000 km whichever is earlier. This warranty shall not apply to replacement of normal wear parts including hoses, wiper blades, fuses, brake pads, cables and all rubber parts, tyres, coolant etc.

The routine service charges of Vehicles during the warranty period will be paid by the client Dept/ Institutions. Any repair charges does not include the warranty terms should be paid by the client Dept/ Institutions.

III. Technical Specification of Various models of E Cars

Specifications	Hyundai KONA EV Premium	TATA NEXON EV (XZ+)
Motor Type	Permanent Magnet Synchronous Motor (PMSM)	Permanent Magnet Synchronous Motor (PMSM)
Motor Torque	395 Nm	245 Nm
Motor Capacity in kW	100 kW	95 kW
Running km range	452 km (As per ARAI)	312 km (As per ARAI)

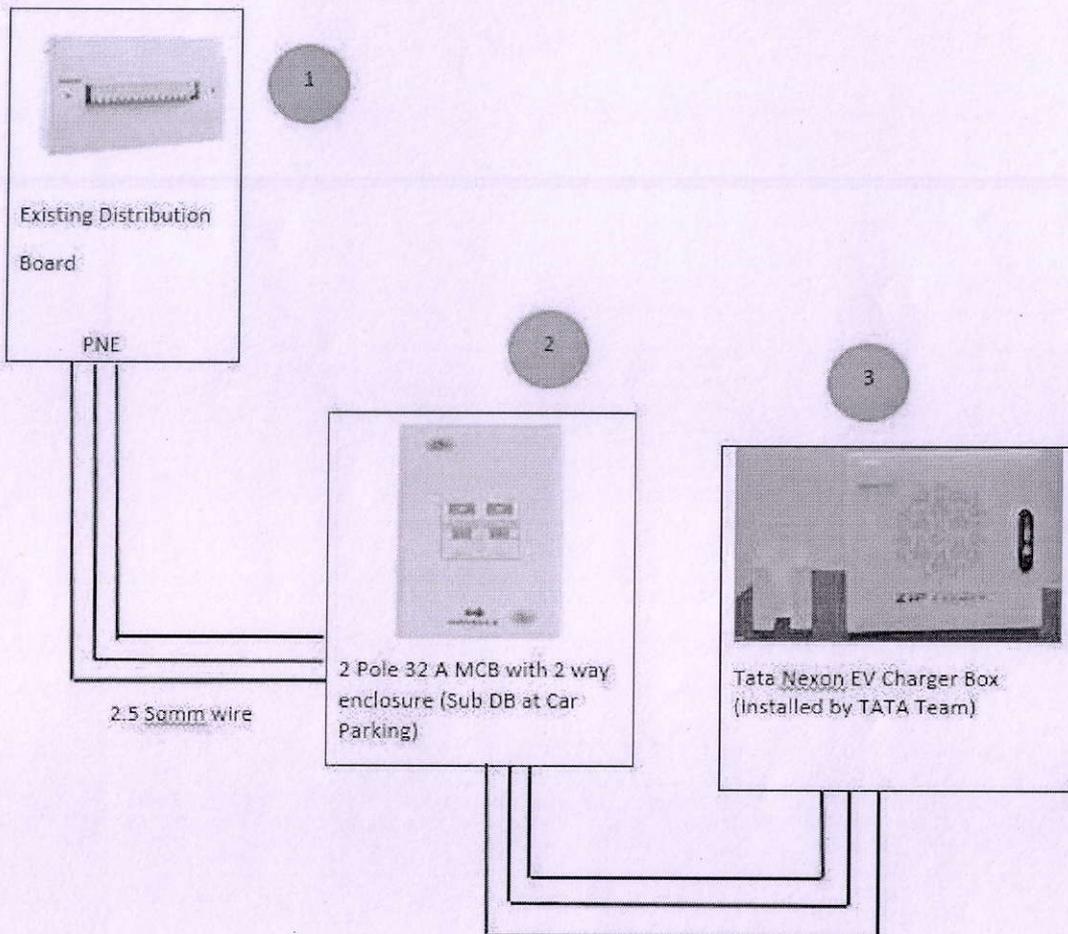
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	350-400 km (As per Actual)	180-230 km (As per Actual)
Acceleration	0-100 Kmph in 9.7 seconds	0-100 Kmph in 9.9 seconds
Maximum Speed	160 Kmph	120 Kmph
Battery Capacity in kWh	39.2 kWh	30.2 kWh
Brakes	All Disc	Front : Disc Rear :Drum
Wheels	Alloy	Alloy
AC Slow Charging Time (0-80%)	4.5 Hours (using wall mounted charger)	7 Hours (using portable charger)
DC Fast Charging Time (0-80%)	15- 60 mins	15- 60 mins
Charging Standard	CCS type 2 Type 2 AC (IEC 62196-2)	CCS type 2 Type 2 AC (IEC 62196-2)


Chief Executive Officer



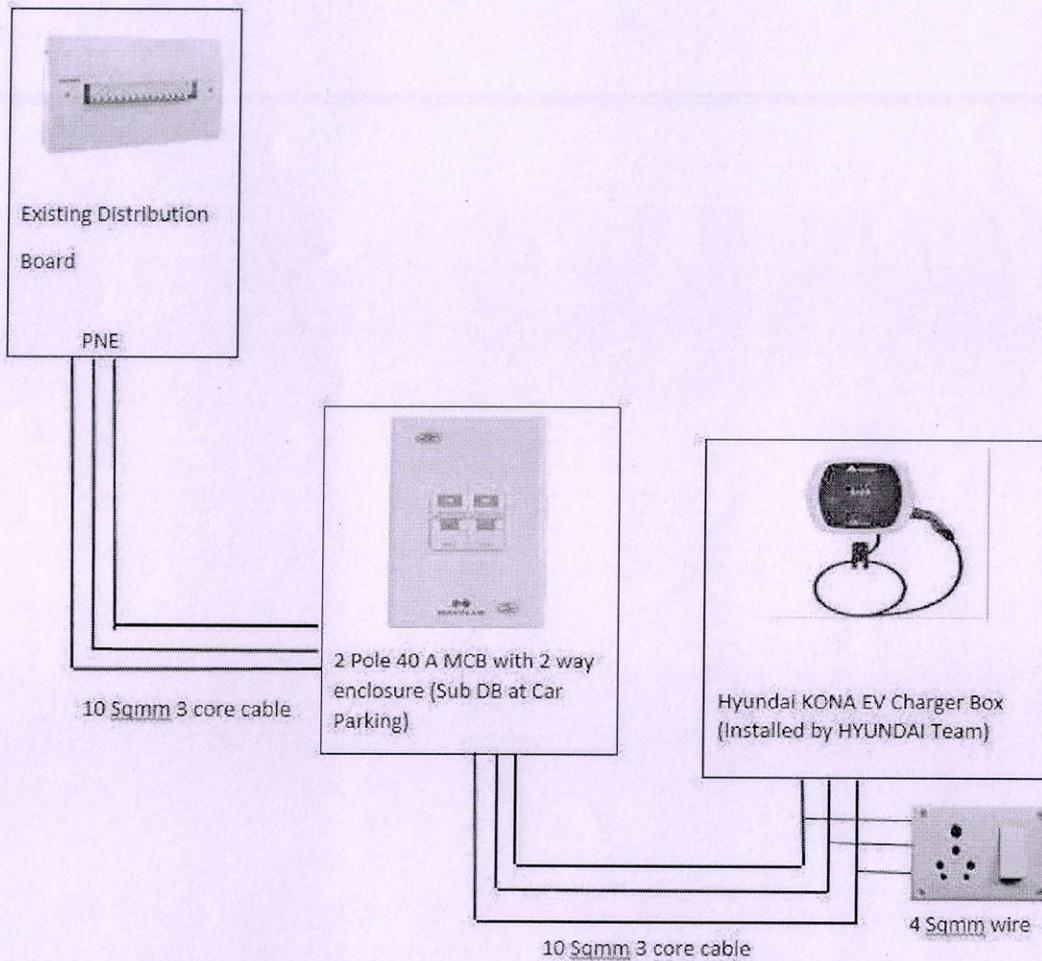
Electrical Wiring from Distribution Board to Car Parking location for using 3.3 kW Slow AC Charger. (TATA NEXON EV)



Note:

- If the Length between Existing DB and Sub DB at Car Parking Area is above 20 mtrs, use 4 Sqmm Copper wire for wiring.
- The above wiring from Existing DB to Sub DB may be done by the beneficiary Dept. If the Distance between Existing DB and Sub DB in the Car Parking Area is less than 10 mtrs, wiring works can be done TATA Team at free of cost.
- The wiring from sub DB to EV Charger Box will be done by TATA Team.

Electrical Wiring from Distribution Board to Car Parking location for using 7.2 kW Slow AC Charger. (HYUNDAI KONA EV)



Note:

- 10 sq mm 3 core cable shall be used for 7.2 kW Wall Mounted Charger and 4 sq mm wire can be used for 16 A Plug socket.
- If the Length between Existing DB and Sub DB at Car Parking Area is above 20 mtrs, use 16 Sqmm Copper wire for wiring.
- The above wiring from Existing DB to Sub DB may be done by the beneficiary Dept.