



**അനേർട്ട്**  
**ANERT**

**Agency for New and renewable Energy Research and Technology**  
നവീനവും പുനരുപയോഗയോഗ്യവുമായ ഊർജ്ജ ഗവേഷണങ്ങൾക്കും സാങ്കേതിക വിദ്യകൾക്കുമുള്ള ഏജൻസി  
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No. ANERT-TECH/55/2020-D-T

10/11/2020

### 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 ANRT and EESL on 05/06/2020

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

As per the ref 1<sup>st</sup> cited, Finance department, Govt. Of Kerala had ordered that, all the dept 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 3<sup>rd</sup> 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 4<sup>th</sup> 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**



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1. Govt. Departments/ Institutions shall visit ANERT website and register through online portal ([www.anert.gov.in/node/452](http://www.anert.gov.in/node/452)) or give request through email [emobility@anert.in](mailto: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 6 Years for TATA TIGOR EV and 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 8-12 Km of E Car approximately. Average Electricity charge is Rs. Rs. 1/- per Km.
7. **Monthly Lease amount for one month shall be paid as advance on or before executing agreement.**
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.
10. **Portable Charger available with Tata Tigor EV is 2.2 kW and Tata Nexon EV is 3.5 kW.**
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.



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12. Batteries of the E Vehicles can be charged during night time. 4-8 hours required for full charge.
13. Concerned Department shall provide Electrical wiring work from supply point/ Distribution Panel to the specified car parking area location for installation of Charger with separate earthing system.
14. The approximate cost of wiring work for TATA Tigor EV is about Rs. 5,000/- to Rs. 15,000/- (Depends on Distance between Distribution Board and Car Parking Area)
15. The approximate cost of wiring work for TATA Nexon EV/ Hyundai Kona Electric with proper earthing is about Rs. 5,000/- to Rs. 35,000/- (Depends on Distance between Distribution Board and Car Parking Area)
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](http://www.anert.gov.in). For details, please contact Head, E Mobility Cell. Email: [emobility@anert.in](mailto:emobility@anert.in) , Ph: 9188119427.
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. (1% flood cess extra for without GST Registration). Rs. 200/- for extra hours.



## II. Period of Contract, Warranty &amp; 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	Tata Tigor EV (SEDAN)	6 years	Warranty including Comprehensive AMC- 5 Years	5 Year or 1,00,000 KM (whichever is earlier)	Rs. 22,950/-	10%
2	Hyundai Kona Electric (SUV)	8 years	Vehicle Warranty 3 Years or 1,25,000 Km (whichever is earlier)	8 Year or 1,50,000 KM (whichever is earlier)	Rs. 42,840/-	05%
3	Tata Nexon EV (SUV)	8 years	Vehicle Warranty 3 Years or 1,25,000 Km (whichever is earlier)	8 Year or 1,50,000 KM (whichever is earlier)	Rs. 27,540 /-	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.

The repair & Maintenance work of TATA Tigor after 5 year warranty/ Comprehensive AMC or after 100000 km of E Cars shall be done by Client Dept. Please read the agreement format for the detailed terms & Conditions regarding the termination of the contract, Warranty, and Comprehensive AMC of E Cars.

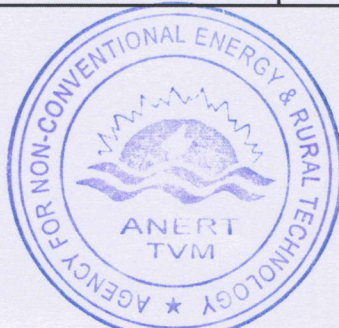
The repair & Maintenance work (Except Motor & Battery) of E cars after 3 year vehicle warranty or after 1,60,000 km shall be done by Client Dept. Please read the agreement format for the detailed terms & Conditions regarding the termination of the contract,



Warranty, Comprehensive AMC of E Cars.

### III. Technical Specification of Various models of E Cars

Specifications	TATA TIGOR EV (XM)	Hyundai KONA EV Premium	TATA NEXON EV (XZ+)
Motor Type	3Phase AC Induction Motor	Permanent Magnet Synchronous Motor (PMSM)	Permanent Magnet Synchronous Motor (PMSM)
Motor Torque	105 Nm	395 Nm	245 Nm
Motor Capacity in kW	30 kW	100 kW	95 kW
Running km range	142 km (As per ARAI) 90-110 km (As per Actual)	452 km (As per ARAI) 350-400 km (As per Actual)	312 km (As per ARAI) 180-250 km (As per Actual)
Acceleration	0-60 Kmph in 12 seconds	0-100 Kmph in 9.7 seconds	0-100 Kmph in 9.9 seconds
Maximum Speed	80 Kmph	160 Kmph	120 Kmph
Battery Capacity in kWh	16.2 kWh	39.2 kWh	30.2 kWh
Brakes	Front : Disc Rear : Drum	All Disc	Front : Disc Rear : Drum
Wheels	Steel Rims	Alloy	Alloy
AC Slow Charging Time (0-80%)	6 Hours (using portable charger)	4.5 Hours (using 7.5 KW wall mounted charger)	7 Hours (using 3.5KW portable charger)
DC Fast Charging Time (0-80%)	30- 60 mins	30- 60 mins	30- 60 mins
Charging Standard	BEVC- DC001 BEVC-AC001 (IEC 60309)	CCS type 2 Type 2 AC (IEC 62196-2)	CCS type 2 Type 2 AC (IEC 62196-2)



Director