

HIMACHAL ROAD TRANSPORT CORPORATION SHIMLA-03

GLOBAL INVITATION **EXPRESSION OF INTEREST (EOI)**

Himachal Road Transport Corporation intends to replace its existing 225 nos. Type- II Diesel Buses with Type- II Electric buses suitable for operation on Hilly Terrain, within State of HP, as per HRTC specifications (As uploaded on our website www.hrtchp.com) .

National / International manufacturer of Electric Buses are requested to respond on or before 08.05.2023 to this expression of interest on e-mail id soworksho@gmail.com conveying the availability of Type- II buses as per specifications so prescribed, time line for developing the prototypes & delivery schedule. Interested OEMs are also requested to make themselves available for deliberations on 10th May, 2023 at 11:30 AM in the office of Managing Director Himachal Road Transport Corporation, Old Bus Stand Complex, Shimla-171003.

For any query/ clarification may contact at 0177-2658829

MANAGING DIRECTOR
HIMACHAL ROAD TRANSPORT CORPORATION
OLD BUS STAND COMPLEX, SHIMLA-171003

Technical Specification of required E- Buses for replacement of Diesel Buses

Sr. No.	Tech. Specification	E-Bus Specification	
		37 Seater	47 Seater
1	Body Built on Chassis frame –LP Model	Steel Ladder type Chassis frame- LP Model	Steel Ladder type Chassis frame LP Model
2	Wheel Base	4200 to 4500 mm	5200 to 5400mm
3	Overall Length of bus	should not be more than 9000mm	should not be more than 10200mm
4	Overall Width of bus	2600mm	2600mm
5	Front Overhang(FOH)	1615mm	1615mm
6	Rear Overhang(ROH)	2520mm	3200mm
7	Overall Height of bus	not more than 3400mm	not more than 3400mm
8	Angle of Approach in degree	20 ⁰ ₊₁ minimum	20 ⁰ ₊₁ minimum
9	Angle of departure in degree	15 ⁰ ₊₁	12 ⁰
10	Floor Height	1100mm	1100mm
11	Clearance(MM)		
11(A)	Minimum Axle Clearance(mm)	240mm	240mm
11(B)	Minimum Ground Clearance at GVW	Within the wheel base not less than 400mm	Within the wheel base not less than 400mm
12	Skirt height of bus	400-450mm	400-450mm
13	Seating Capacity	36+D (3X2)	46+D Seater(3x2)
14	No. of Doors	2	2
15	GVW	16200kg	16200kg

16	Model with different Battery capacity(Kwh)	As per OEMs	As per OEMs
17	Range in single charge in hilly terrain of H.P with 80% SOC	Minimum 200 kms	Minimum 260 kms
18	Motor Power	180 - 200 HP	180 - 200 HP
19	Electric Energy consumption of vehicle in kwh/kM as per AIS-039	Less than 1 Kwh/Km	Less than 1 Kwh/Km
20	<u>KW of fast Charger</u> <u>KW of Slow Charger</u>	As per OEMs	As per OEMs
21	Charging time with Fast charger	45 Minutes	45 minutes
22	Level of SOC of the battery to re-charging	Upto 20%	Upto 20%
23	Max. Torque	700 Nm at 1200- 1900 rpm	700 Nm at 1200- 1900 rpm
24	Battery Type	As per OEMs	As per OEMs
25	Battery life	As per OEMs	As per OEMs
26	Turning Radius	10M	10M
27	<u>Restart Gradability</u>	Minimum 17%	Minimum 17%
28	Top Speed	87.4 kmph	87.4 kmph
29	Suspension	Leaf spring at front & Rear/ Leaf spring at front and air suspension at rear	Leaf spring at front & Rear/ Leaf spring at front and air suspension at rear
30	Tyre Size & Rim Size	10.00x20 Radial	10.00x20 Radial
31	Brake Type	Dual Circuit Full Air S-Cam Brake	Dual Circuit Full Air S-Cam Brake
32	Type approval of the product	Type- II	Type-II
33	Luggage Space	Luggage hold area/compartments to be provided at the rear or at the sides or both with sufficient space	
34	Bumper Height from Ground Front/Rear	450mm/650mm	450mm/650mm

