

Centre for Rural Energy

The GANDHIGRAM RURAL INSTITUTE – Deemed to be University

(Ministry of Education, Govt. of India)

Accredited by NAAC with 'A' Grade (3rd Cycle)

Gandhigram – 624 302, Dindigul District, Tamil Nadu, India.

Tel: 0451-2452371-76: Extn. 2062

Fax: 0451- 2454466, 2453071

GRI/CRE/EV/2024

28.10.2024

Quotation Call for EV Conversion kit

For and on behalf of The Gandhigram Rural Institute – Deemed to be University, Gandhigram, quotations are invited for the supply of the following items. Detailed Specification is enclosed as Annexure.

S.No	Item	Qty
1.	Conversion of Petrol Operated 4-Wheeler to Electric Operated (Make: Ford Fiesta)	1
2.	Conversion of Diesel Operated 4-Wheeler to Electric Operated (Make: TATA SUMO)	1

The terms and conditions for the quotations are as below:

- (i) Firms / Dealers should have a TIN / GST/ TNGST / PAN/ ESB number in the name of the Company and it should be printed in the Quotation form itself.
- (ii) Materials Specifications are included so kindly confirm and fulfill our requirements which will be mentioned in Annexure
- (iii) The rate should indicate the unit/nos.
- (iv) The rate should be calculated by including packing, forwarding, and installation charges up to the Site
- (v) Applicable Taxes / GST should be indicated item-wise clearly.
- (vi) The period of Guarantee should be specified for each material
- (vii) The nearest service point should also be indicated in the offer.
- (viii) The offer should be from ready stock.
- (ix) The mode of payment is "CREDIT" and payment will be made within 30 days (Minimum)
- (x) Quotation should be addressed in the name of

"The Registrar, Gandhigram Rural Institute – Deemed to be University, Gandhigram"

and should be sent in a sealed envelope super scribing "Quotation for Sr.No. _____"

to reach the following address:

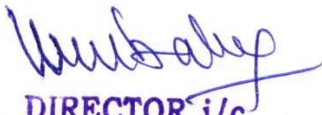
The Director in charge

Centre for Rural Energy,

Gandhigram Rural Institute – Deemed to be University,

Gandhigram – 624 302, Dindigul Dt.

- (xi) Hard Copy of Quotation will be received up to 3.00 p.m. on 11.11.2024



DIRECTOR i/c
Centre for Rural Energy
The Gandhigram Rural Institute
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Gandhigram - 624 302.

Specifications for Item No:1

ATTRIBUTES	TECHNICAL SPECIFICATIONS
Vehicle Category	Category M / Retrofitting and Re-engineering
Electrical Propulsion Unit	
Engine : Power Train	Brushless DC (or) Permanent Magnet Synchronous Motor [PMSM] Motor –Max Capacity of 3000 W (or) 2.65 hp [Auxiliary Materials : As per the requirement]
Drive Train	Integrated with the existing Transmission, Gearing and Breaking System through the required re-engineering work [Auxiliary Materials : As per the requirement]
BATTERY & POWER	
Battery Type, Voltage	Lithium-ion / Lead Acid Type Voltage Level : 60 V / 72 V
Range	150 km / Charge
CHARGER UNIT	
Charger Type	Off-board charger AC Fast Charger Unit
Thermal Management	As per the required technology
Ingress protection for motor & battery pack	IP 67

Specifications for Item No:2

ATTRIBUTES	TECHNICAL SPECIFICATIONS
Vehicle Category	Category M / Retrofitting and Re-engineering
Electrical Propulsion Unit	
Engine : Power Train	Brushless DC (or) Permanent Magnet Synchronous Motor [PMSM] Motor –Max Capacity of 5000 W (or) 2.65 hp [Auxiliary Materials : As per the requirement]
Drive Train	Integrated with the existing Transmission, Gearing and Breaking System through the required re-engineering work [Auxiliary Materials : As per the requirement]


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BATTERY & POWER	
Battery Type, Voltage	Lithium-ion / Lead Acid Type Voltage Level : 60 V / 72 V
Range	150 km / Charge
CHARGER UNIT	
Charger Type	Off-board charger AC Fast Charger Unit
Thermal Management	As per the required technology
Ingress protection for motor & battery pack	IP 67

Note:

The conversion of IC engine vehicles to Electric Vehicle with manual transmission through proper retrofitting and re-engineering technology. The retrofitted vehicle should adhere the Central Motor Vehicle Regulation (CMVR) and Automotive Research Association of India (ARAI) of Government of India for appropriate approval. The technical specifications of the four-wheeler are specified for better design and development of the vehicle.



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