

**Invitation for
Submission of competitive BID
for Selection of Developer**

To Design, Supply, Installation, Commissioning and Maintenance of Electric Retrofit Kits for 3 Wheeler ICE Passenger Autos with Swappable Batteries and to operate swapping stations with suitable software in Vijayawada Municipal Corporation Limits and its sub-urbans.

Tender No: NREDCAP/VMC/Retrofit/17-65 /2021-22

Dated: 03/09/2021

(REVERSE E-TENDERING)

At Vijayawada Municipal Corporation and its Sub Urban Areas



Issued By

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CONTENTS

I. DISCLAIMER	3
1 INTRODUCTION AND BACKGROUND	5
1.1. INTRODUCTION	5
1.2. BACKGROUND.....	6
2 DEFINITIONS	6
3 BID INFORMATION AND INSTRUCTIONS TO BIDDERS	11
3.1. OBTAINING BID DOCUMENT & BID PROCESSING FEES.....	11
3.2. TIMELINES FOR BID PROCESS.....	11
4. INFORMATION PERTAINING TO BID SUBMISSION VIA EPROCUREMENT PLATFORM	13
5. PROJECT SCOPE	14
5.1. QUALIFICATION REQUIREMENTS	15
5.2. ELIGIBILITY CRITERIA.....	16
5.3 FINANCIAL BID	17
5.4. E-AUCTION (REVERSE TENDERING)	17
5.5 EARNEST MONEY DEPOSIT (EMD) AND PERFORMANCE GUARANTEES (PG)	19
5.6 PAYMENT TERMS.....	20
5.7 CLARIFICATIONS/PRE-BID MEETING/ ENQUIRES/ AMENDMENTS.....	21
5.8. FRAUDULENT AND CORRUPT PRACTICES	21
5.9. OTHER PROVISIONS	23
5.10. INDEMNITY	23
5.11. TEST	23
6. FORMATS	24
FORMAT-I: COVERING LETTER FOR PRE-QUALIFICATION CHECK	25
FORMAT-II: COVERING LETTER	26
FORMAT-III: FORMAT FOR POWER OF ATTORNEY	29
FORMAT- IV: FORMAT FOR TECHNICAL ELIGIBILITY CRITERIA	31
FORMAT- V: FORMAT FOR FINANCIAL ELIGIBILITY CRITERIA	33
FORMAT- VI (B): STATEMENT SHOWING THE COMPONENT WISE COST DETAILS	36
FORMAT- VII: FORMAT FOR CERTIFICATE OF RELATIONSHIP	37
ANNEXURE – VIII: FORMAT FOR BANK GUARANTEE	38
ANNEXURES - A : TECHNICAL SPECIFICATIONS OF ELECTRIC RETROFIT KIT AS PER CMVR	39
ANNEXURE – B : STANDARDS AND SPECIFICATIONS OF SWAPPING STATIONS	40
ANNEXURE – C: STANDARDS AND SPECIFICATIONS OF SWAPPING STATIONS	41

I. DISCLAIMER

- a) The BID document is not transferable.
- b) This BID is issued by New & Renewable Energy Development Corporation of AP Ltd (NREDCAP).
- c) The Bid document is not a prospectus or offer on invitation to the public in relation to the sale of shares, debentures, or securities, nor shall this Bid document or any part of it form the basis of or be relied upon in any way in connection with, any contract relating to any shares, debentures or securities.
- d) In considering a response to this Request for Proposal (BID), each recipient should make its own independent assessment and seek its own professional, technical, financial and legal advice.
- e) Whilst the information in this BID document has been prepared in good faith, it is not and does not purport to be comprehensive or to have been independently verified. Neither NREDCAP nor any of their officers or employees, nor any of their advisers nor consultants, accept any liability or responsibility for the accuracy, reasonableness or completeness of, or for any errors, omissions or misstatements, negligent or otherwise, relating to the proposed Project, or makes any representation or warranty, express or implied, with respect to the information contained in this document or on which this document is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisers and, so far as permitted by law and except in the case of fraudulent misrepresentation by the party concerned, and liability therefore is hereby expressly disclaimed.
- f) The information contained in this document is selective and is subject to updating, expansion, revision and amendment issued before due date. It does not, and does not purport to, contain all the information that a recipient may require. Neither NREDCAP nor any of their officers, employees nor any of its advisors nor consultants undertakes to provide any recipient with access to any additional information or to update the information in this document or to correct any inaccuracies therein which may become apparent. Each recipient must conduct its own analysis of the information contained in this document or to correct any inaccuracies therein that may be contained in this document and is advised to carry out its own investigation in relation to the Project(s)/Tender, the legislative and regulatory regime which applies thereto and by

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

and all matters pertinent to the proposed Project/Tender and to seek its own professional advice on the legal, financial, regulatory and taxation consequences of entering into any agreement or arrangement relating to the proposed Project/Tender.

- g) This BID document, if includes certain statements, estimates, projections, designs, targets and forecasts with respect to the Project, such statements, estimates, projections, targets and forecasts, designs reflect various assumptions made by the management, officers and employees of NREDCAP, which assumptions (and the base information on which they are made) may or may not prove to be correct. No representation or warranty is given as to the reasonableness of forecasts or the assumptions on which they may be based and nothing in this document is, or should be relied on as a promise, representation or warranty.
- h) NREDCAP reserves the right to modify, amend or supplement or cancel this BID document, without any prior notice or without assigning any reason.

1 Introduction and Background

1.1. Introduction

3- Wheeler Passenger IC Engine Auto is last mile connectivity to the public, IC Engine auto runs on an average 100 to 125 KMs per day and duly consuming 5 to 6 litres of diesel/ petrol per day and emit 12 to 15 Kgs of CO₂ apart from Nitrous and SPM etc.. In order to utilize the existing resources effectively, lowest cost option for conversion of IC Engine Autos into Electric Autos is Retrofitment with swappable batteries.

There are around 6 lakhs 3- Wheeler ICE Autos and consumes lakhs of litres of petrol/diesel/CNG every day and emitting Co₂, Nitrous, SPM etc., raising health and environmental issues. The bid is intended to select the developer for conversion of 50 Numbers of ICE Autos into Electric Autos along with the following activities:

1. Identifying eligible interested auto drivers
2. Conduct route survey for identification of suitable locations for establishment of swapping stations
3. Design, supply, installation, commissioning and maintenance of Electric Retrofit Kits with Swappable Batteries and
4. Operate swapping stations in the selected routes in Vijayawada Municipal Corporation Limits and VMC sub-urbans in Andhra Pradesh State for a Period 5 years on Turnkey basis with financial participation.
5. Develop the necessary software for operation of swapping stations along with payment gateway to NREDCAP - Retrofit Bank Account etc. as detailed in the scope of work.

NREDCAP will invest Rs.1.52 Lakhs or 70 % per auto conversion cost whichever is lower to convert ICE Autos into Electric Autos with swappable batteries and swapping infrastructure. The developer shall also invest balance amount and operate the swapping stations and maintain the Electric Autos for a period of 5 years. During operation period, the entire amount invested by the NREDCAP towards leasing charges of Retrofit Kits and battery cost though battery swapping by arranging payment gateway with suitable software. The software developed shall be audited for cyber security.

The retrofit kits, swapping batteries of lithium ion /lithium phosphate/ Lithium NMC,

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

swapping infrastructure shall be certified by designated labs like ARAI/ ICAT or any other designated testing labs approved under CMVR Act/ IEC/ BIS. The proposed swapping centers shall provide regular operational and comprehensive maintenance services to the converted Electric Autos.

The bidder shall follow the guidelines and specifications issued by Ministry of Road Transport and Highways, Ministry of Power, Central Electricity Authority, APCPDCL, AP Transport Department, Electrical Inspector or any other Government Organization etc. related to the activity. The successful bidder shall enter an agreement based on the BID document with NREDCAP. NREDCAP reserves the right to increase or decrease the Tendered Quantity and/or Allocated Quantity of Retrofit Electric Autos.

1.2. Background

India is at the cusp of an e-mobility revolution. The Government of India is moving towards accelerated adoption of Electric Vehicles (EVs) by 2030 to cut down its carbon emissions. NREDCAP is the State Nodal Agency for implementation of all Renewable Energy Programs as well Electric Mobility in the State of Andhra Pradesh. Under E-mobility, NREDCAP is promoting various activities to promote adoption of E-Vehicles to conserve the petroleum products and to minimize the vehicular pollution. As per the E-Mobility policy of the Govt. of A.P. vide G.O.MS. No.74, dated 08.06.2018 of Industries and Commerce (P&I) Department, it is targeted to phase out all fossil fuel based commercial fleets and logistics vehicles in top 4 cities by 2024 and all cities by 2030.

2 Definitions

Any capitalized term, used but not defined in this BID, shall have the meaning as prescribed to such term in the Agreement. In absence of availability of definitions in the foregoing references, the capitalized terms shall be interpreted in accordance with the CMVR Act 1989, Electricity Act 2003 and any other subsequent act, Regulations of the Appropriate Commission (Terms and Conditions, Grid Code or any other relevant electricity law, Ministry of Road Transport and Highways, AP Transport, CEA/ DISCOMs rules or regulations prevalent in India, as amended or re-enacted from time to time, in that order. Notifications, policies, guidelines as notified or amended from time to time)

Following terms used in the document will carry the meaning and interpretations as described below:

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

“Associate Company” shall mean in relation to another company, means a company in which that other company has a significant influence, but which is not a subsidiary company of the company having such influence and includes a joint venture company, as per Companies Act 2013. Significant influence shall mean control of at least twenty per cent of total share capital, or of business decisions under an agreement;

“Authorized Representative” shall mean the body authorized to carry out the Bidding process for the selection of the Successful Bidder(s). As per this BID, NREDCAP is the authorized Representative;

Swapping Stations: Shall be established for the purposes of exchange of discharged batteries with charged batteries on payment basis and attend comprehensive maintenance of 3- Wheeler Electric Autos.

“Authorized Signatory” shall have the same meaning as assigned to in Clause 5.6 (d) of the BID;

“Average Annual Turnover” shall have the same meaning as assigned to in Clause 5.2 of this BID;

“Bank Guarantee” shall mean the guarantees required to be furnished by the Bidder in accordance with the provisions of Clause 5.4(b) of this BID;

“Bid” shall mean the Bid submitted by the Bidder in accordance with provisions comprising of Technical Bid and Financial Bid in response to this BID, in accordance with the terms and conditions thereof;

“Bid Processing Fee” shall have the same meaning as per Clause 3.1 of this BID;

“Bidder” shall mean Bidding Company or a Bidding Firm submitting the Bid. Any reference to the Bidder includes Bidding Company /Bidding Firm;

“Bidding Company” shall refer to such single Company, registered under Companies Act 1956 or Companies Act, 2013 as applicable that has submitted the response in accordance with the provisions of this BID;

“Bid Deadline” shall mean the last date and time for submission of Bid in response to this BID as specified in Clause 3.2 of the BID;

“Bid Parameter” shall have the same meaning as provided in Format IV of this BID;

“Bid Validity” shall have the same meaning as provided in Clause 5.5 of this BID;

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

“Chartered Accountant” shall mean a person practicing in India or a Firm wherein all the partners practicing in India are Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949;

“Swapping Charges” shall mean charges payable to Developer for successfully delivery of charged battery against discharged battery.

“Comprehensive Maintenance Contract Period or CMC Period” shall mean a period of 5 (five) years from the Date of Conversion of last Electric Auto. Year shall mean a period of 12 months from DOC;

“Company” shall mean a company incorporated under the Companies Act, 1956 or the Companies Act, 2013, as applicable;

“Contract Period” shall mean the period from the Effective Date till Expiry Date, in which the Agreement shall be valid;

“Conflict of Interest” A Bidder may be considered to be in Conflict of Interest with one or more Bidders in the same Bid process under this BID, if they have a relationship with each other, directly or indirectly through a common Company.

“Date of Commissioning (DOC)” shall mean the date on which the Electric Autos is declared to be operational, provided that DOC shall not be achieved and Electric Autos shall not be operational until such Electric Autos has satisfied the conditions as per the Agreement;

“Effective Date” shall mean the date of execution of Agreement by the Parties to the Agreement;

“EMD” Earnest Money Deposit for bid validity.

“Financial Bid” shall mean the documents and formats as specified in Clause 5.3 of this BID;

“Financial Eligibility Criteria” shall mean provisions of Clause 5.2 of this BID;

“KW” shall mean Kilowatts;

“Letter of Award” or “LoA” shall mean the letter issued by the Authorized Representative to the Successful Bidder for award of the Project; LoA shall provide details including but not limited to Allocated Quantity, price of retrofit kit, cost of batteries per Electric Auto including swappable batteries, swapping infrastructure, software cost etc.

“ICAT” shall refer to International Centre for Electric Auto motive Technology;

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

“**ARAI**”: Auto motive Research Association of India

“**CMVR**”: Central Motor Vehicle Rules

“**CEA**”: Central Electricity Authority

“**Retrofit Kit**”: Conversion kit to convert ICE vehicles in to Electric Vehicles and run with batteries

“**DISCOMs**”: Power Distribution Companies

“**APCPDCL**”: Andhra Pradesh Central Power Distribution Companies

“**Parent Company**” shall mean a Company, which holds more than 50% equity shareholding either directly or indirectly in the Bidder;

“**Performance Guarantee (PG)**” shall mean the Bank Guarantee furnished by the *Developer*, to assure timely and satisfactory completion of a Project by the Developer as per the provisions of Agreement;

“**Quoted Price**” shall mean such firm price quoted by the Bidder under Format VI A of this BID that will be payable for design, supply, installation, commissioning, operation and maintenance of Electric Autos for a period of 5 years with Retrofit and swappable batteries as per the provisions of this BID and Agreement for project cost per auto, swapping and leasing cost towards battery and retrofit.

“**Qualified Bidder**” shall mean the Bidder (s) who, after evaluation of their Technical Bid(s) as per Clause 5.1 of the BID meet the Qualification Requirements and hence stand qualified for opening and evaluation of their Financial Bid(s);

“**Qualification Requirements**” shall mean the General Eligibility Criteria, Technical Eligibility Criteria and Financial Eligibility Criteria as specified under Clause 5.1 of this BID;

“**Remote Monitoring Unit and IOT device for battery tracking and monitoring**” shall mean a GSM/GPRS based control system which can monitor and wirelessly update all the performance parameters as defined in the BID to the NREDCAP server in real time as per the time intervals defined by NREDCAP;

“**BID/BID Documents**” shall mean the BID document issued by Authorized Representative with all attachments vide BID No. **NREDCAP/EV/VMC/ Retrofit/17-65/ dated 1st September 2021** for “Selection of Developers for Design, Supply, Installation, Commissioning, Operation and Maintenance for 5 years of Electric Autos with swapping

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

solution in Vijayawada Municipal Corporation Limits and sub urbans.

“Swappable Batteries and other spare parts”: As per the route survey and life expectancy of cables, connectors and any other parts as may be required from time to time shall be maintained with swapping stations for immediate delivery and replacement as per service level agreement at swapping stations.

“Scheduled Date of Commissioning (SDOC)” shall mean the date which is 60 (forty-five) days from the date of issue of LOA to the Developer, on which date the Developer is required to commission the Electric Autos in accordance with the provisions of the Agreement.

“Successful Bidder” shall mean the Bidder selected pursuant to this BID to design, supply, install, commission, operate and maintain for 5 years the Electric Autos as per the provisions of this BID;

“Electric Autos /Project” shall mean that to identify passenger Autos for conversion from ICE Autos into Electric Autos by design, Supply, Installation, Commissioning and Maintenance of Electric Retrofit Kits with Swappable Batteries and to operate swapping stations with suitable software and payment gateway for swapping and leasing charges in Vijayawada Municipal Corporation Limits and sub-urbans for a Period of 5 years on Turnkey basis with financial participation

“Technical Bid” shall mean the documents and formats as specified in Clause 5.3 of the BID to meet the Technical Eligibility Criteria;

“Technical Eligibility Criteria” shall mean provisions of Clause 5.2 of this BID;

“Agreement” shall mean the Agreement signed among the Successful Bidder, New & Renewable Energy Development Corporation of Andhra Pradesh Limited (NREDCAP)

“Ultimate Parent Company” shall mean a Company, which owns more than fifty percent (50%) equity shareholding either directly or indirectly in the Parent Company;

“Validity of LoA” shall be valid for a period of 6 months from date of issue of LoA. Any allocation of Electric Autos beyond this period is subject to prior approval from Authorized Representative.

3 Bid information and instructions to Bidders

3.1. Obtaining BID document & Bid Processing Fees

- a) All those interested in the BID can download the BID from the website <https://tender.apecurement.gov.in>. All information related to submission of response to this BID and the Bid shall be available at the aforementioned website.
- b) Prospective Bidders interested in participating in the Bid process are required to submit their Bids in response to this BID document along with a non-refundable Bid Processing Fee of Rs. 25,000/- plus 18% GST.
- c) Bidders shall provide the above non-refundable Bid Processing Fee in the form of DD payable in favor of “NREDCAP” payable at Tadepalli, Guntur district. Any Bidder will be eligible to participate in the Bid process only upon submission of Bid Processing Fee at the following address of the Authorized Representative as per the timelines specified in Clause 3.2 of the BID.
- d) Notwithstanding anything to the contrary contained in this BID, the Authorized Representative shall open the Technical Bid of the Bidder, only upon receipt of the above non-refundable Bid Processing Fee, along with the Covering Letter as per Format –I within the timelines mentioned in Clause 3.2 of the BID. Bidders shall also upload scanned copies of the original EMD and the DD towards Bid Processing Fee on the eProcurement platform under the PQ Check.

3.2. Timelines for Bid process

The Bidders shall submit their Bids based on the conditions specified in this BID document. The last date for submission of Bids i.e. Bid Deadline is given in the table below. No Bid shall be accepted beyond the Bid Deadline.

Table 1: Timelines of bid process

S. No.	Event	Schedule
1	Date of issue of BID Documents	07.09.2021 19:00 Hours
2	Bid Document Download Start Date	07.09.2021 19: 00 Hours
3	Deadline for submission of queries (NREDCAP will not respond to queries received after the deadline)	12.09.2021 before 17:00 hours Email: gmtech@nredcap.in ; ev@nredcap.in

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

4	Pre-bid meeting (Venue and time shall be intimated through NREDCAP website. Bidders shall keep a close watch on the website for any updates pertaining to this tender)	13.09.2021 at 15:00 Hours
5	Bid document download end date	24.09.2021 before 11:00 Hours
6	Bid Deadline i.e. Last Date and Time for uploading Bid on the e-procurement website	24.09.2021 before 15: 00 Hours
7	Deadline for submission of hard copies of Bid	27.09.2021 before 13:00 Hours
8	Prequalification check & opening of Technical Bid	27.09.2021 at 15: 00 Hours
9	Reverse E-Auction start date & time	Will be intimated to the technically qualified bidders in advance by notifying in the website.
10	Procedure for Bid submission	The Bidder shall submit his response through Bid submission to the tender on e-Procurement platform at https://tender.apecurement.gov.in following the procedure. The Bidder would be required to register on the e-procurement market Place https://tender.apecurement.gov.in and submit their Bids online. Offline Bids shall not be entertained by the Tender Inviting Authority for the tenders published in e-Procurement platform.
11	Bid Processing Fee	Non-refundable fee of INR 25,000 plus 18% GST for bidding in form of demand draft in favor of NREDCAP payable at Tadepalli, Guntur district. The copy of DD shall be uploaded and the original DD shall be furnished along with Hard copy. Bid processing fee is payable by all Bidders submitting Bid in response to this BID.
12	EMD in the form of DD/ Online Transfer	Rs. 5,00,000/- (Rupees Five Lakhs Only)
13	Transaction Fee through online portal https://tender.apecurement.gov.in towards e-procurement fund to be administered by APTS limited	Rs. 10,000 + GST
14	Security Deposit to be submitted by successful bidder by way of DD/BG	Rs. 38,00,000/- (Rupees Thirty Eight Lakhs Only)

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

15	Issue of LoA to Successful Bidders	Within 30 days from date of opening of Financial Bids.
16	Validity of LoA	6 Months from issue of LoA.
17	Signing of Agreement	Within 10 days from date of Issue of LoA to Successful Bidders in accordance to this BID
18	Other information	Bidders shall contact Vupadhi Techno Services for all queries related to Bid submission on the eProcurement platform Contact Details: HELP DESK of Vupadhi Techno Services, M/s Vupadhi Techno Services, 1st Floor, Ramky Grandiose, Sy. No: 136/2&4, Gachibowli, Hyderabad. Telephone No: 040-39999700/01 Helpdesk support at Vijayawada: 07337318402/403

NREDCAP reserves the right to change the above Bid process timelines. However, the Authorized Representative shall notify prospective Bidders through email/ notification on website (www.nredcap.in)/ eProcurement platform regarding changes to the above timelines.

4. Information pertaining to Bid submission via eProcurement platform

Please visit <https://tender.apecurement.gov.in> for details regarding online submission of the BID.

Bidders are required to procure a Digital Signature Certificate (DSC) from any Certifying Authorities (CA) in India from the list mentioned in the below URL:

<https://tender.apecurement.gov.in/DigitalCertificate/signature.html>

The DSC is mandatory for participation in eProcurement process. The Bids can be submitted only upon logging-in with the DSC in the eProcurement portal. The Bidder would be required to register on the eProcurement marketplace www.apecurement.gov.in or <https://tender.apecurement.gov.in> and submit their Bids online. Offline Bids shall not be entertained for the tenders published in the eProcurement platform.

The Bidders shall submit their eligibility and qualification details, technical bid, financial bid etc., in the standard formats displayed in eProcurement web site. The Bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

eligibility criteria/Technical Bids and other certificate/documents in the eProcurement web site. The Bidder shall sign on the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity.

5. Project Scope

New and Renewable Energy Development Corporation of A.P. Ltd. (NREDCAP) intend to select Developer for Design, Supply, Installation, Commissioning and Maintenance of Electric Retrofit Kits for conversion of ICE engine Autos into Electric Autos with Swappable Batteries and to operate swapping stations with suitable software and payment gateway and operate in Vijayawada Municipal Corporation Limits and sub urbans for a Period 5 years on Turnkey basis with financial participation.

- a) The bidder may extensively demonstrate the Electric Autos in all Auto stands of Vijayawada Municipal Corporation limits and identify 50 number of IC Engine Autos for conversion with a focus on diesel Auto/CNG of more than 5 years old of Bajaj RE model.
- b) The bidder can collect the photocopy of registration certificate of selected auto, aadhar card of IC Engine Auto driver, latest fitness certificate from transport department etc. and any other documents required for conversion to ICE engine Autos to E- Electric Autos as required under Transport Department Rules/Act.
- c) An agreement shall be entered with Auto owner for conversion of ICE Auto into Electric Auto and to avail the swapping of batteries and leasing of Electric Retrofit Kits over a period of 5 years duly paying the swapping charges and leasing charges as discovered through the bid.
- d) The bidder shall give preference to the Autos belongs to the SC & ST category beneficiaries and collect non-refundable down payment of Rs.10,000/- from the Auto drivers along with certificates and agreement. The amount of Rs.10,000/- apart from 30 % of Developer investment from NREDCAP investment
- e) Detailed route study may be taken up for establishing of swapping stations to suit the requirements of selected Electric Auto drivers. The swapping stations shall be installed as per IEC standards/AIS etc.
- f) The Successful bidders shall also enter Service Level Agreement with the Auto drivers for supply of charged batteries, immediate relief to the repairs and spares if any over a period of 5 years.
- g) The successful bidder impart training to the selected Auto drivers about procedure for swapping the battery, driving of Electric Autos, operation and maintenance of Electric Autos and create awareness about benefits of Electric Autos.
- h) Bidder shall ensure safety and security of batteries with suitable BMS, cooling as per IEC/AIS standards while running of auto and in swapping stations.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

- i) Provide swappable batteries on time without any delay by arranging sufficient number of swapping stations and batteries.
- j) Impart training to NREDCAP field staff on operation of mobile app to operate swapping machines and remittances of payments through gateway towards swapping and leasing charges.
- k) The range per swap shall not be lower than 100 KMs in entire operational period of 5 years.
- l) The Electric Autos and swapping stations shall be insured for a period of 5 years.
- m) NREDCAP will invest a maximum amount of Rs.1,52,000/- per Electric Auto or 70 % of conversion cost after deducting the Rs.10,000/- of auto driver down payment which includes cost of retrofit kits, batteries, swapping infrastructure, payment gateway, route survey, software etc. (whichever is lower, and balance shall be invested by the successful bidder) and recover the same through payment gateway.
- n) The successful bidder shall remit the entire amount of NREDCAP investment with interest rate of 6% per annum of over a period of 5 years. The repayment shall be made on daily basis @ minimum Rs.110/- per Electric Auto per day through payment gateway to retrofit account for the period of 5 years. The payment gateway and software shall be arranged pre audit for cyber security.
- o) The bidder will be selected based on the prequalification criteria and lowest project cost, lowest swapping cost and leasing rentals towards Electric Retrofit Kits and the cost per swap + lease cost to Electric Retrofit Kit shall not be more than Rs. 3.20 per KM to the auto driver including power charges and all taxes if any over a period of 5 years.
- p) The bidder shall submit security deposit by way of DD/ Bank Guarantee to the 50 % cost of NREDCAP investment for a period of 5 years apart from hypothecation of assets created for the project with relevant details and the bank guarantee will be returned after successful completion of 5 years operation and repayment of entire NREDCAP investment @ with 6% PA interest.
- q) After a period of 5 years the residual value of infrastructure will be shared as per the discretion of VC& Managing Director, NREDCAP.

5.1. Qualification Requirements

Evaluation of Bids will be based on meeting the Prequalification (PQ) check, Eligibility Criteria comprising of General Eligibility Criteria, Technical Eligibility Criteria and Financial Eligibility Criteria. Any Bidder who meets the Qualification Requirements stated herein shall be declared as “Qualified Bidder” for the purpose of evaluation under this BID.

5.2. Eligibility Criteria

Prequalification Check (Mandatory for all the Bidders)

- a) Covering Letter corresponding to Prequalification Bid as per Format 1 of this BID.
- b) Legible scanned copies of EMD and Bid Processing Fee shall be uploaded in accordance with this BID and as per timelines specified in the BID.

Following are the eligibility criteria comprising of Technical Eligibility Criteria and Financial Eligibility Criteria.

General Criteria

- a) Any Bidder including its Associate Company /Parent Company/ Ultimate Parent Company cannot submit more than one Bid under this BID.'
- b) Bidder can use the technical strength of its Associate Company /Parent Company/ Ultimate Parent Company to fulfill the Technical Eligibility criteria mentioned. In such case, Bidders shall submit a certificate of relationship of Associate Company/Parent Company/ Ultimate Parent Company with the Bidding Company as per Format. Company Secretary Certificate towards such shareholding pattern along with a Board resolution shall be submitted.
- c) Foreign companies are not eligible to participate in this Bid process.
- d) Bidders in Conflict of Interest with one another shall be liable for disqualification/rejection under the sole discretion of the Authorized Representative. Bidder shall make relevant disclosures as specified in Format 6.1 of this BID.

Technical Eligibility Criteria

- a) Minimum number of conversion of ICE autos into Electric Autos that have been installed & commissioned by Bidder in India of capacity equal to or above 10 numbers of Electric Autos during last 3 financial years, upto 7 days prior to the Bid Deadline.
- b) Retrofit Kit Model Type Approved certificate from ICAT/ ARAI or any other designated labs under CMVR and relevant certificate shall be submitted along with bid.
- c) Approvals from the designated labs to Swappable Batteries like Lithium Ion Ferro phosphate/ NMC Lithium Ion Battery/or any other Lithium Family Energy Storage Batteries for 3- Wheeler Autos and relevant certificate shall be submitted along with bid.
- d) Swapping Infrastructure shall be approved as per the standards of AIS 156 or ICE Standards 62840 and relevant certificate shall be submitted along with bid.

Financial Eligibility Criteria for Open Category

- a) Annual Turnover during last 3 years, FY 2018-19, FY 2019-20, FY 2020-21 shall be atleast INR 50 Lakhs in the field of Energy Storage/ Electric Vehicles Manufacturing/ EV Charging or any other related activities to EV Segment.
- b) Certified copies of audited financial statements along with a certificate from Chartered Accountant/Statutory Auditor, as applicable, confirming the Average Annual Turnover. Provisional financial statements certified by chartered accountant shall be furnished. For Bidding Firms, copies of Income Tax returns with full details of turnover should be furnished along with a certificate from the CA confirming the Average Annual Turnover.

5.3 Financial Bid

- a) Bidders shall quote lump sum price for the Electric Retrofit Kits along with batteries swapping infrastructure, BMS, Payment gateway any other items related. Such lumpsum price inclusive of Taxes and Duties shall be the Quoted Price and the Total Cost per Electric Retrofit Kit per auto shall be the Bid Parameter as mentioned in Format VI (A) and cost per battery swap and lease rentals to the electric retrofit kit per KM which includes related taxes and other expenses like power cost, software maintenance, payment gateway, etc.,
- b) The Supplier shall also provide detailed break-up of the Quoted Price in accordance with provisions of Format VI (B) of the Financial Bid.
- c) Total Cost per conversion of IC Engine Auto into Electric Auto, applicable Taxes and Duties and Quoted Price submitted in Format VI (A) and VI (B) should match. In the event of any mismatch, the Bid shall be rejected.

5.4. E-Auction (Reverse Tendering)

- a) After identifying the eligible agencies/bidders will be eligible to participate in e-auction process in terms of guidelines issued vide G.O.Ms .No.67(WR)(Reforms) Dt:16.08.2019.
- b) All bidders shall furnish the original hard copies of the DD for EMD within the stipulated time. Failing which their Initial Price Offer shall not be opened and they will not be taken forward into the reverse auction.
- c) To conduct the reverse tender process at least two bidders would be required.
- d) Names of the bidders /Vendors shall be anonymously masked in the Reverse Tendering process and vendors will be given suitable dummy names.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

- e) After identification of the L-1 Initial Price Offer, eligible (those who have submitted original hard copies of the BG for EMD within the stipulated time) bidders shall be transferred to the Reverse Auction Platform.
- f) The L-1 price offer (Initial) shall be maximum allowable Bid Price for the reverse tendering process.
- g) Only one round of reverse tendering shall be carried out in which bidders can revise their bids multiple times within the time limits specified.
- h) At the start of the Reverse Tendering process the Maximum Allowable Bid Price will be set and bidders shall submit their bids in an online platform.
- i) The initial period of the Reverse Tendering process will start after 3 hours, following which there will be auto extensions of time by 15 minutes in case of any reduction in bids recorded in the prior 15 minutes.
- j) Only the current L-1 Bid shall be visible to all bidders who may revise their bids until the end of the process.
- k) Decrements made in each subsequent bid shall not be less than 0.5% of the ECV uploaded.
- l) The L-1 bid may be determined following a period of inactivity of more than 15 minutes of reverse bidding after the initial 3-hour period after closure of the main bidding.
- m) Following the determined following a period of the L-1 bid, the L-1 Bidder's supporting tendering process shall be on hold for a maximum period of 24 hours (1 day) while the L-1 bidder's supporting documents are verified.
- n) Not with standing anything explained above, the condition explained in G.O.Ms.No.67 Water Resources (Reforms) Dept, Dated: 16.08.2019 will hold good.

CONCLUSION OF REVERSE TENDERING PROCESS:

- a) After conclusion of the reverse auction process, the pre-qualification criteria of all bidders shall be verified for the successful bidder. In case of successful verification of pre-qualification criteria of the L-1 Bidder, he will be awarded the contract and the EMDs of other successfully verified bidders shall be refunded.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

- b) If any variation is noticed between the uploaded documents and the self-declaration submitted by the bidder, the bidder will be suspended from participating in the tenders on e-procurement platform for a period of 3 years. If any of the documents furnished by the bidder are found to be false/fabricated/Bogus, at any time the bidder will be black listed and the EMD will be forfeited.

In case of the L1 bidder being disqualified, the Department reserves the right to restart the reverse auction process with the L2 Price of the concluded reverse auction as the start/maximum bid price OR to restart the entire tendering process from the NIT stage. In either case, the date and the time of the subsequent process shall be communicated to the remaining bidders.

5.5 Earnest Money Deposit (EMD) and Performance Guarantees (PG)

- a) **Earnest Model Deposit:** Earnest Money Deposit (EMD) shall be INR 5 Lakhs. EMD shall be in the form of a DD in favour of “NREDCAP” payable at Tadepalli, Guntur district or a Bank Guarantee with a validity of 180 days according to Format VIII, shall be submitted by the Bidder along with the Bid, failing which the Bid shall be summarily rejected. The copy of the DD or Bank Guarantee shall be uploaded in <https://tender.apecurement.gov.in> and the original DD or Bank Guarantee shall be furnished to NREDCAP before closing date, failing which the bid shall be summarily rejected.

- b) **Performance Guarantee (PG):** Successful Bidders, selected by the NREDCAP shall submit Performance Guarantees as below:

Successful Bidders selected shall be issued LoA and invited to sign Agreement. Agreement by NREDCAP and Developer will be signed only on submission of such required Performance Guarantee.

Performance Guarantee of a value equal to Rs. 38,00,000/- (Thirty Eight Lakhs Only) i.e, 50% NREDCAP investment in the form of bank guarantee for 50 numbers of autos. Validity of the Performance Guarantee shall be from the Effective Date till 5 years from date of LOA and successful completion of operational period. The EMD submitted will be returned against the receipt performance guarantee Bank Guarantee (Rs.38,00,000/-).

- c) Liquidated Damages shall be payable by Developer equivalent to 1% of value of allocated E- Electric Autos not commissioned corresponding to each week subject to maximum of 4 weeks of delay.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

- d) In case, the Electric Autos are not commissioned even after 4 weeks from the scheduled date or extended date, the bank guarantee will be revoked.
- e) The format of the Bank Guarantee prescribed in the BID shall be strictly adhered to and any deviation from the above formats may result in rejection of the Bid. The bidder shall submit EMD for Rs. 5,00,000/- in the form of bank guarantee or demand draft.
- f) The Bidders declared as successful bidder based on this BID are required to execute Agreement with NREDCAP within fifteen (15) days of the issue of LoA. If the Successful Bidders fail to execute the Agreement and/or fail to furnish the required Performance Guarantee within the stipulated period, then the amount submitted towards EMD shall be forfeited by Authorized Representative.
- g) The Bank Guarantees shall be executed on non-judicial stamp paper of appropriate value as per Stamp Act relevant to the place of execution. The Bank Guarantees have to be in the name of the Bidding Company/Bidding Firm.
- h) All expenditure towards execution of Bank Guarantees such as stamp duty etc. shall be borne by the Bidders.
- i) NREDCAP shall release the EMD of the unsuccessful Bidders within ten (10) days of issuing Letter of Award (LoA) to the Successful Bidders.

5.6 Payment Terms

- a) The developer shall submit the invoice in the name of VC& Managing Director along with the following documents.
 - i. Details of name and address of Electric Auto owner and copy of Aadhar details with vehicle registration numbers.
 - ii. Fitness certificate of Auto which is converted into Electric Auto
 - iii. Software and payment gateway details with cyber security audit.
 - iv. Details of rental agreements with landowner for swapping station
- b) Upon successful establishment of swapping stations to Electric Autos and commissioning of E- Electric Autos with retrofit kits, together with payment gateway software integration with NREDCAP retrofit bank account, 50 % value of NREDCAP investment or Rs.1.52 Lakhs whichever is lower will be released.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Balance 50% will be released after completion of 30 days of successful running of Electric Autos with swapping facility. The amount will be released duly deducting applicable taxes and NREDCAP service charges @ 3.54 %including GST.

- c) The Developer shall be responsible for submitting invoice to the NREDCAP office by Registered Post or by hand.
- d) Authorized Signatory of the Bidder:
 - i. In case of a Bid submitted by Bidding Company, the Bidding Company should designate one person to represent the Bidding Company in its dealings with the NREDCAP. The person should be authorized to perform all tasks including, but not limited to providing information, responding to queries, signing of Bid. Power of Attorney in accordance with Format III of the BID shall be issued in favor of such person and such person shall be the Authorized Signatory of the Bidder for the purpose of this Bid process. The Bidding Company should submit, along with the bid, a Board Resolution, authorizing the signatory of the bid.
 - ii. Board Resolution duly certified by the Company Secretary or the Director of therelevant Bidder

5.7 Clarifications/Pre-Bid meeting/ Enquires/ Amendments

Clarifications / Doubts, if any, on BID document shall be e-mailed to gmtech@nredcap.in (or) ev@nredcap.in. Bidders are requested to remain updated with the website www.nredcap.in. If necessary, amendments shall be issued by Authorized Representative which will be notified in the eProcurement website/NREDCAP official website www.nredcap.in. No separate reply/intimation will be given for the above, elsewhere.

5.8. Fraudulent and Corrupt Practices

- a) The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bid process and subsequent to the issue of the LoA. Notwithstanding anything to the contrary contained herein, or in the LoA, the Authorized Representative shall reject a Bid, withdraw the LoA, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the Authorized Representative shall forfeit the EMD, without prejudice to any other right or remedy that may be available to the Authorized Representative hereunder or otherwise.

- b) Without prejudice to the rights of the Authorized Representative and the rights and remedies which the Authorized Representative may have under the LoA, if a Bidder is found by the Authorized Representative to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of the LoA or after signing of Agreement, such Bidder shall be blacklisted and shall not be eligible to participate in any tender or BID issued by the Authorized Representative, during a period of three (3) years from the date such Bidder is found by the Authorized Representative to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.
- c) The following terms shall have the meaning hereinafter respectively assigned to them:
 - i. **“Corrupt Practice”** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the Authorized Representative who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the LoA or has dealt with matters concerning the Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the Authorized Representative, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the LoA or after signing of the Agreement, as the case may be, any person in respect of any matter relating to the project or the LoA or the Agreement, who at any time has been or is a legal, financial or technical adviser of the Authorized Representative in relation to any matter concerning the Project;
 - ii. **“Fraudulent Practice”** means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process.

- iii. **“Coercive Practice”** means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any persons participation or action in the Bid process.
- iv. **“Undesirable Practice”** means (i) establishing contact with any person connected with or employed or engaged by the Authorized Representative with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and
- v. **“Restrictive Practice”** means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process.

5.9. Other Provisions

Power to Remove Difficulties

If any difficulty arises in giving effect to any provision of the BID guidelines or interpretation of the BID guidelines or there is a requirement to modify the BID guidelines for better implementation, the matter may be considered by the Authorized Representative for this purpose and its decision will be final.

5.10. Indemnity

NREDCAP will indemnify by the developer to defend and hold harmless each other and its divisions, successors, subsidiaries and affiliates, the assigned of each and their directors, officers, agents and employees from and against all liabilities, claims, losses, and damages of any nature, including, without limitation, all expenses (including attorney’s fees), cost, and judgments incident there to NREDCAP and NREDCAP obligations under this indemnity will survive the expiration, termination, completion or cancellation of this Contract or an order hereunder.

5.11. Test

The successful bidder(s) need to get the samples for the first lot to be type-tested under NREDCAP supervision at an ARAI/ ICAT/ NABL accredited Third Party Laboratory. The samples for such tests would be identified by TENDER COMMITTEE and cost of the sample and shipping shall be borne by the bidder.

During the contract duration, NREDCAP at bidder cost shall conduct additional type tests at ARAI/ICAT- accredited laboratory to maintain check on the supplied product. The random sample for such tests would be identified by Authority and can be from the manufacturing/supply chain/ customer facility.

Documentation along with supply of Retrofit Kit:

The bidder(s) shall provide the following documents (both hard copy and soft copy) to NREDCAP for reference:

- a) Manual / Guide: User Manuals, FAQ, OEM Functional Manuals and Installation Guides, Business Process Guides and Troubleshooting Guides
- b) Firmware
- c) Certificates: Equipment Warranty, Insurance, tests.

Other than the certificates, the above mentioned documents shall be provided in the word format to provide flexibility for customization, if required.

6. Formats

Formats for Bid Submission

The following formats are required to be submitted as part of the BID. These formats are designed to demonstrate the Bidder's compliance with the Qualification Requirements set forth and other submission requirements specified in the BID.

- i. Format for prequalification check (Format I)
- ii. Format of Covering Letter (Format II)
- iii. Format for Power of Attorney to be provided by Bidding Company in favor of Authorized signatory (Format III)
- iv. Format for Technical Eligibility Criteria (Format IV)
- v. Format for Financial Eligibility Criteria (Format V)
- vi. Formats for submission of Financial Bid (Formats VI A& B)
- vii. Format for submission of project cost breakup (Format VII)
- viii. Format for Bank Guarantee (Format VIII)

The Bidder may use additional sheets to submit the information for detailed response.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format-I: Covering Letter for Pre-Qualification Check

(The covering letter should be on the Letter Head of the Bidding Company/ Bidding Firm)

Date: _____ Reference No: _____

From: _____ (Insert name and address of Bidding Company/Bidding Firm)

Telephone Number:

Fax:

E-mail address:

To

The VC & Managing Director, NREDCAP12-464/5/1, River Oaks Apartments,
CSR Kalyana Mandapam Road, Tadepalli, Guntur District -522 501,

Sub: Response to BID No__dated__[Insert date in dd/mm/yyyy for installation,
commissioning and operation of Electric Autos System(s)

Dear Sir,

I/We, the undersigned[insert name of the 'Bidder'] having read, examined and understood in detail the BID including Qualification Requirements in particular, terms and conditions of the Agreement, hereby submit my/our Bid in response to BID.

I/We have uploaded scanned copies of the following original documents on the website specified by the Authorised Representative, and I/We are hereby submitting the following original documents as specified in Clause 4.

Table A: Details pertaining to EMD

S No	EMD through BG			EMD through DD		
	BG Value in INR	Ref No.	Validity Date	DD Amount	DD No.	DD Date
1						

Table B: Details pertaining to Bid Processing Fee

S No	DD Amount	DD No.	DD Date

I/We, undertake to bid for following number of Electric Autos sunder(Open)Category for which EMD mentioned above, of relevant amount in accordance with provisions under BID;

Thanking you, Yours faithfully,

(Name, Designation and Signature of Authorized Signatory as per Clause 5.6(d)

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format-II: Covering Letter

(The covering letter should be on the Letter Head of the Bidding Company/Bidding Firm)

Date: _____

Reference No: _____

From: _____ (Insert name and address of Bidding Company/Bidding Firm)

Telephone Number:

Fax:

E-mail address:

To

The VC & Managing Director, NREDCAP12-464/5/1, River Oaks Apartments,
CSR Kalyana Mandapam Road, Tadepalli, Guntur District -522 501,

Sub: Response to **BID No** _____ dated _____ [Insert
date in dd/mm/yyyy] for installation, commissioning and operation of Electric Autos

Dear Sir,

I/We, the undersigned [insert name of the 'Bidder'] having read, examined and understood in detail the BID including Qualification Requirements in particular, terms and conditions of the Agreement hereby submit my/our Bid in response to BID. I/We are submitting our Bid for number of Electric Autos mentioned in Format 6.0 submitted as part of the Bid;

1. I/We give my/our unconditional acceptance to the BID, dated [Insert date in dd/mm/yyyy], standard Agreement attached thereto, issued by Authorized Representative. In token of my/our acceptance to the BID, Agreement along with the amendments and clarifications issued by Authorized Representative, the same have been initialed by me/us and enclosed with the response to BID. I/We shall ensure that the Agreement is executed as per the provisions of the BID, provisions of Agreement shall be binding on me/us. Further, I/we confirm that the Electric Autos shall be installed and commissioned within the timelines specified in this BID.
2. I/We have submitted our response to BID strictly as per provisions under Clause 6 (Formats) of this BID, without any deviations, conditions and without mentioning any assumptions or notes in the said Formats.
3. I/We hereby declare that I/We are participating in this Bid process.
4. I/We hereby declared that we have read and understood the BID and the hard copy of the initialed BID shall be submitted upon finalization as Successful Bidder.
5. I/We hereby unconditionally and irrevocably agree and accept that the decision made by Authorized Representative in respect of any matter regarding or arising out of the BID shall be binding on me/us. I/We hereby expressly waive and withdraw any deviations and all claims in respect of this process.
6. I/We hereby undertake that we will comply to the technical specifications of the Electric

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Autos as detailed in Annexure-A of this BID.

7. I/we hereby declare that we are not in Conflict of Interest with any other Bidder in this Bid process and we have submitted only one Bid in response to this BID and are not participating under any other Bid in this BID. I/we hereby declare that we are in compliance with provisions of Clause 5.3 of the BID
8. I/We hereby undertake that the components/items to be supplied for installation of the system shall be as per the component/items indicated in the Test Certificate of the authorized test centers under CMVR
9. Familiarity with Relevant Indian Laws & Regulations:
I/We confirm that I/we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this response to BID, and execute the Agreement, in the event of my/our selection as Successful Bidder.
10. I/We are enclosing herewith my/our response to the BID with formats duly signed as desired by you in the BID for your consideration.
11. It is confirmed that my/our response to the BID is consistent with all the requirements of submission as stated in the BID and subsequent communications from Authorized Representative.
12. The information submitted in our response to the BID is correct to the best of my/our knowledge and understanding. I/We would be solely responsible for any errors or omissions in my/our response to the BID.
13. I/We confirm that all the terms and conditions of our Bid are valid upto (Insert date as per table 1 of the BID). The validity of my/our Bid will be as per table 1 of this BID.
14. I/We (in case of a Company) confirm that the Power of Attorney has been issued to the Authorized Signatory of this Bid pursuant to the Board Resolution
..... [Insert date in dd/mm/yyyy]
15. I/We confirm that I/We have the necessary execution capacity to implement and execute the Electric Autos allocated to us pursuant to our finalization as Successful Bidder after implementation of the allocation process

16. Contact Person:

Details of the representative to be contacted by Authorized Representative are furnished as under:

Name :
Designation :
Company <if applicable>:Address :
Phone No. :
Mobile No. :
Fax No. :

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

E-mail address _____ :

Alternate Email address:

17. I/We have neither made any statement nor provided any information in this Bid, which to the best of my/our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in my/our Bid are true and accurate. In case this is found to be incorrect after my/our selection as Successful Bidder, I/we agree that the same would be treated as the Bidder's event of default under Agreement and consequent provisions of Agreement shall apply.

Dated the _____ day of _____ 20...

Thanking you, Yours faithfully,
(Name, Designation and Signature of Authorized Signatory)

Format-III: Format for Power of Attorney

(To be provided by the Bidding Company in favour of the Authorised Signatory of the Bidding Company)

POWER OF ATTORNEY

(To be executed on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

KNOW ALL MEN BY THESE PRESENTS THAT M/s.....having its registered office at, having agreed to appoint Mr/Ms....., having his/her address at.....and appointed asat the Bidding Company, as the Authorized Signatory, do hereby constitute, nominate and appoint Mr/Ms.....

as our duly constituted lawful Attorney (hereinafter called as Authorized Signatory) to exercise all or any of the powers for and on behalf of the Bidding Company in regard to submission of the response to BID No We also authorize the said Authorized Signatory to undertake the following acts:

- i. To submit on Bidding Company, the response to BID.
- ii. To do any other act or submit any information and documents related to the above response to BID.

It is expressly understood that in the event of the Bidding Company being selected as Successful Bidder, this Power of Attorney shall remain valid, binding and irrevocable until the Bidding Company achieves execution of Agreement.

We as the Directors of the Bidding Company agree and undertake to ratify and confirm all whatsoever the said Attorney/Authorized Signatory has done on behalf of the Bidding Company pursuant to this Power of Attorney and the same shall bind us and deemed to have been done by us.

IN WITNESS WHEREOF M/s, as the Director of the Bidding Company have executed these presents on this... Day ofunder the Common Seal of our Company.

For and on behalf of Bidding Company M/s.....

(Signature of person authorised by the board)

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

(Name DesignationPlace: Date:)

Accepted

(Signature, Name, Designation and Address of the Authorized Signatory)

Attested

(Signature of the executant)

(Signature & stamp of Notary of the place of execution)

Place:..... Date:.....

Notes:

The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format- IV: Format for Technical Eligibility Criteria

To,

**The VC & Managing Director, NREDCAP12-464/5/1, River Oaks Apartments,
CSR Kalyana Mandapam Road, Tadepalli, Guntur District -522 501**

Dear Sir,

Sub: Response to BID No. _____ for selection of Developer for installation and commissioning of Electric Autos in the state of Andhra Pradesh.

I/We hereby submit the following documents to meet the Technical Eligibility Criteria as per the provisions of the BID.

Technical Eligibility Criteria

Sl. No.	Name of the Company whose experience is being considered	Parameter	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021 till last date of bid	Total
1		Number of IC Engine Autos converted with Electric Retrofit Kits with swappable batteries or Electric Vehicles Manufacturing / capacity of the lithium ion batteries/ manufacture					

I/We undertake that we are not be blacklisted by any Govt. Agency in the past or at present.

I/We undertake that were not blacklisted ever by any Govt. Agency.

In case I/We emerge as Successful Bidder and if I/We did not submit valid Test Certificate for the allocated Electric Autos Model at the time of bid submission, I/We undertake to submit valid Test Certificate within the period of Validity of LoA and I/We confirm that no Purchase Order shall be issued to us until I/We furnish valid Test Certificate for the allocated Electric Autos Model. If I/We fail to produce valid Test Certificate within the period of Validity of LoA, Procurer shall have the right to forfeit the Performance Guarantee submitted by me/us and terminate the Agreement.

If I/We have already produced Test Certificate at the time of Bid submission and if any alternation in component(s) of the Electric Auto system is required upon our declaration as Successful Bidder/subsequently the Developer and/or after signing the Agreement, then I/We

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

undertake that new Test Certificate for such Electric Autos shall be submitted to avail any new Purchase Order from the Procurer.

I/We hereby undertake to certify that we would establish Authorized Service Centers /swapping stations as per the BID document of operation before supply as per the provisions of the Agreement District wise in the State.

Signature of Authorized Signatory of the BidderPlace:

Date:

Note:

- (1) Format IV shall be certified by Chartered Accountant.**
- (2) Certificate of Incorporation and GST certificate**
- (3) PAN Card.**

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format- V: Format for Financial Eligibility Criteria

To,

**The VC & Managing Director, NREDCAP,12-464/5/1, River Oaks Apartments,
CSR Kalyana Mandapam Road, Tadepalli-522 501, Guntur District**

Dear Sir,

Sub: Response to BID No. _____ for selection of Developer for installation and commissioning of Number of IC Engine Autos converted with Electric Retrofit Kits with swappable batteries or Electric Vehicles Manufacturing / capacity of the lithium ion batteries/ manufactured in the state of Andhra Pradesh.

I/We hereby submit the following documents to meet the Technical Eligibility Criteriaas per the provisions of the BID.

I/We hereby undertake to certify that we have an average annual turnover of Rs.

_____ Crs;

Sl. No.	Financial year	Turnover (INR Lakhs)
1	FY 2018-19	
2	FY 2019-20	
3	FY 2020-21	
	Average Annual Turnover	

NOTE:

- i. Attach certificate from the Chartered Accountant/Statutory Auditor along with audited financial statements (Balance Sheet, Profit & Loss Account, Schedules and cash flow statement). Provisional financial statements certified by chartered accountant.
- ii. The documents submitted without certification by the Chartered Accountant shall not be considered.

Signature of Authorized Signatory of the BidderPlace:

Date:

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format- VI (A): Format for Financial Bid

Name of the Bidder: _____

S. No.	Model	Quoted number for conversion of ICE autos into Electric Autos	Quoted Price for total project cost to identify passenger Electric Autos for conversion from ICE engine Electric Autos into Electric Autos by Design, Supply, Installation, Commissioning and Maintenance of Electric Retrofit Kits with Swappable Batteries and to operate swapping stations with suitable software and payment gateway in Vijayawada Municipal Corporation Limits and sub urbans for a Period 5 years on Turnkey basis with financial participation.	Applicable taxes, duties etc. (INR) (B)	Total Cost per Electric Autos(INR) (C=A+B)
1.					
2.			Per swap cost and lease cost to Electric Retrofit Kit. This includes cost of power. (The developer shall quote 1 st swap of the day and top up swapping in the same day separately including GST or any other taxes per KWh charge)		

Certified that:

- Above rates are in accordance with the specifications & various terms & conditions mentioned in the BID and are applicable for installation anywhere in Vijayawada Municipal Corporation Limits and sub-urbans.
- The number of Electric Autos quoted in Format 6.0 should match with Format 6.5 A. Any mismatch will lead to disqualification.
- The rates are inclusive of all latest prevailing taxes and duties etc., of Govt. of Andhra Pradesh as well as Govt. of India. Moreover, NREDCAP will not be responsible for providing Road permits.
- The rates are inclusive of all the charges regarding route survey, identification of auto drivers of IC Engine, impart training, Design, Supply, Installation, Commissioning including Transportation, tracking facility, Remote Monitoring Unit and any other charges mentioned in the BID and also any risks that are foreseen by the Tenderer. The rates are also inclusive of 5 years of Remote Monitoring Unit charges and Insurance charges etc.
- All the components including installation of route survey, identification of ICE auto owners, retrofit kits, swapping stations, commissioning of autos, impart training to the identified drivers , providing of charged batteries at the designated swapping stations during 24 hours of a day without any delay during 5 years operation period, development of suitable software and payment gateway to NREDCAP retrofit designated account and any other components related to retrofit kits and swapping stations mentioned above should be quoted as a single item. No partial quotes are accepted.
- The components/items to be supplied for Electric Autos with swapping batteries shall be as per the component/items indicated in the Test Certificate submitted and towards specified Qualification Requirements of the authorized test centers under CMVR Rules including the brand, capacity etc.
- The component wise cost details with brand name are enclosed

Signature of Authorized Signatory of the Bidder with seal

Place:Date:

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format- VI (B): Statement showing the component wise cost details

Statement showing the component wise cost details with brand name, for the Quoted Price, for conversion from ICE engine Electric Autos into Electric Autos by Design, Supply, Installation, Commissioning and Maintenance of Electric Retrofit Kits with Swappable Batteries and to operate swapping stations to run the converted autos with suitable software and payment gateway in Vijayawada Municipal Corporation Limits and sub-urbans for a Period 5 years on Turnkey basis with financial participation

SI No	Item	Cost (in Rs)
1	Electric Retrofit Kits as per the certificate from any authorized labs under CMVR Rules	
2	Cost of Lithium Ion batteries/ any other advanced chemical batteries of lithium family to run 100 KMs per swap of Bajaj RE Auto	
3	Additional Swappable batteries	
4	Establishment of Swapping Stations to meet requirement of ___ Autos.	
5	Cost of Conversion of ICE auto into Electric Auto including insurance for autos and swapping stations for a period of 5 years.	
6	Other expenditure like identification of ICE auto drivers route survey, impart training to the selected auto drivers, operation and maintenance of swapping stations and autos for a period of 5 years	
7	Any other item	
8	Quoted price (Sum of the item 1 to 7)	
9	Applicable taxes and duties	
10	Total Cost	

The components/items to be supplied for installation of swapping stations with Electric Retrofit Kits, they are as per the component/items indicated in the Test Certificate and towards specified Qualification Requirements of the authorized test centers under CMVR including the brand, capacity etc. These rates are applicable for supply & installation of Electric Autos anywhere in Vijayawada Municipal Corporation Limits with Insurance for 5 years on Turnkey basis.

Note: The component wise cost details without quoting of Financial Bid is not valid.

Signature of Authorised Signatory of the Bidder with seal

Place:Date:

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Format- VII: Format for certificate of relationship of Associate Company/Parent Company/Ultimate Parent Company with the Bidding Company

.....Dear Sir,

Sub: Response to BID No. for selection of Developer for installation and commissioning of Number of IC Engine Autos converted with Electric Retrofit Kits with swappable batteries or Electric Vehicles Manufacturing / capacity of the lithium ion batteries/ manufactured in the state of Andhra Pradesh.

We hereby certify that M/s.....are the Associate Company/Parent Company/Ultimate Parent Company (insert as applicable) of the Bidding Company as per Clause 2 of this BID and based on details of equity holding as on seven (7) days prior to the Bid Deadline.

The details of equity holding of the Associate Company/Parent Company/Ultimate Parent Company/ Bidding Company or vice versa as on seven (7) days prior to the Bid Deadline are given as below:

Name of Bidding Company	Name of the Associate Company /Parent Company/Ultimate Parent Company of the Bidding Company	Percentage of Equity Holding of Associate Company/ Parent Company/Ultimate Parent Company in the Bidding Company

*Strike out whichever is not applicable.

*Attach Company Secretary Certificate towards shareholding pattern of the Associate Company/Parent Company/Ultimate Parent Company and the Bidding Company along with a Board resolution from the Associate Company/Parent Company//Ultimate Parent Company shall also be submitted.

(Insert Name and Signature of Statutory Auditor or practicing Company Secretary of the Bidder

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

Annexure – VIII: Format for Bank Guarantee

To : ___[name of Employer)

[Address of

Employer)

Whereas ___[name and address of Developer]

(Hereinafter called “the Developer”) has undertaken, in pursuance of Contract No.

_____dated_ to execute ___[name of Agreement and brief description of Works] (hereinafter called “the Agreement”).

AND WHEREAS it has been stipulated by you in the said Agreement that the Developer shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Agreement“

AND WHEREAS we have agreed to give the Developer such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Developer, up to a total of ___[amount of guarantee] 1 ___[in words], such sum being payable in the types and proportions of currencies payable as per the Agreement in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavel or argument, any sum or ;sums within the limits of

_____ [Amount of guarantee]1 as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Developer before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Agreement or of the Works to be performed thereunder or of the Agreement documents which may be made between you and the Contract hall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until _____ days from the Expiry Date (which shall be 180 days from Expiry Date)

Witnesses Signature and seal of the Guarantor

Name of Bank & Address ___

Annexures - A : Technical Specifications of Electric Retrofit Kit as per CMVR

Specifications of Electric Retrofit Kits for 3 – Wheeler Bajaj RE Autos

Motor Type: 3phase AC Induction Motor / BLDC/PMS

Motor Capacity: 3kW and above

Controller Type: Closed loop/Sine Wave Vector Controlled Controller with suitable voltage

Converter Capacity: 160 Ampere peak

Maximum Speed: 45 Kmph

Grade ability: 14%

Gear Box: New

Kerb Weight: 375 Kgs and above

Vehicle Category: L5 M, 3 Wheeler 3+1 Passenger Auto Bajaj RE

Certification: ARAI/ICAT or any other designated labs under CMVR

Instrument Cluster: Fully digital, 5.4” LCD screen

Range Indication: Yes

Location Tracking: Yes

Battery Indication: SOC %, Temperature and Voltage

Annexure – B : Standards and Specifications of Battery

Standards, Specification and safety as per AIS/IEC/ BIS of Battery Lithium Ion / Lithium Ferrous Phosphate/ NMC Lithium or any other advanced chemical batteries from /ARAI/ICAT or any other approved labs under CMVR Rules

Nominal Voltage:	50.4 and above
Energy: with (1Driver +3Passengers)	1.6kWh each x 4 batteries or suitable to run 100 KMs per swap
Battery Weight:	12kg (each battery not more than 10 to 12 Kgs)
Battery Enclosure Dimension:	347x242x115 (LxWxH in mm) or suitable to fit for Bajaj RE Auto
Charge cut-off voltage:	42.0V
Discharge cut-off voltage:	58.4V
Continuous discharge current:	40A
Peak discharge current:	60A
Battery Protections:	Overcharge cut-off, over discharge cut-off, short circuit, over-temperature cut-off, cell imbalance cut-off.
Communications:	CAN
Usable Capacity:	More than 80%

Annexure – C: Standards and Specifications of Swapping Stations

Standards Specifications and safety of Swapping Stations shall meet guidelines of the Ministry of Power (MoP), (Central Electricity Authority) CEA, Power Distribution Companies (DISCOMs) and AIS 156 and 138 under CMVR or IEC preference will be given for unmanned operations with convenience to the auto drivers

Specifications:

Input Power:	230V AC, 50Hz, 3 ϕ +N+PE
Peak Consumption:	18 kW
Max. Output Power:	1kW
Max. Output Current:	17A
No. of Outputs:	16
Output voltage:	58VDC
Temperature Control:	Air Conditioned
Class:	Class 1
Swapping Station Type:	Fully automated (unmanned)
Payment System:	Fully automatic – supports UPI (GPay/ PhonePe), Paytm, etc with cyber security audit.
Docking System:	Automatic docking (hot swap), no manual connectors
Human Machine Interface:	10” LCD Capacitive Touch Screen
Security Systems:	Three Layer Security, via encryption and Bluetooth 5.0
Over current shut-off circuit:	Protection circuit with MCCB & RCCB
Connectivity:	Cloud connected

IOT Device for tracking and monitoring

This device is use to tracking and online health monitoring of lithium battery based on the GSM/GPRS network and GPS satellite positioning system, which set multiple function of

BID for Electric Retrofit Kit of 3-Wheeler Vehicles and Operate Swapping Stations

security, positioning, monitoring surveillance, service traceability, emergency alarms and tracking in its entirety. This real-time battery tracking and health monitoring with anti-theft system of battery gives you battery data, location updates, online battery ON/OFF and detailed reports. It is an invaluable tool for monitoring and tracking a lithium battery.

Customer can compel the battery to cut off the output supply in battery theft condition using ON/OFF button on web portal.

Reports location in real time through different interfaces Instant alert for battery under-voltage

protection, discharging over current protection, power off, charging over current protection with following features,

1. Remote battery cut-off (output voltage)
2. Battery data monitoring by: APP, Web
3. Web portal to manage multiple batteries
4. Time and date scalable tracking
5. Live geofencing
6. UART and RS485 communication compatibility or any other suitable communication.