



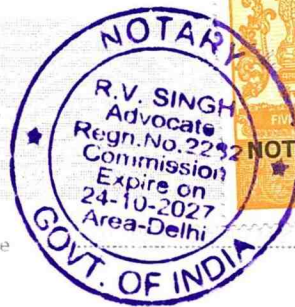
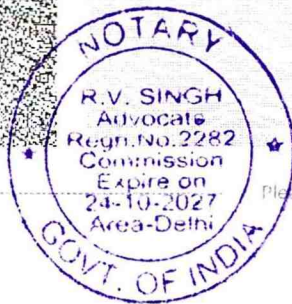
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 Description of Document : Article 5 General Agreement  
 Property Description : Not Applicable  
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 (Zero)  
 First Party : CENTRAL ZOO AUTHORITY  
 Second Party : CONVERGENCE ENERGY SERVICES LTD AND BOTANICAL SURVEY OF INDIA  
 Stamp Duty Paid By : CENTRAL ZOO AUTHORITY  
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आकांक्षा महाजन / AKANKSHA MAHAJAN  
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 Dy. Inspector General of Forests (H.Q.)  
 केन्द्रीय चिड़ियाघर प्राधिकरण / Central Zoo Authority  
 पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय  
 Ministry of Environment, Forest & Climate Change  
 भारत सरकार, नई दिल्ली / Govt. of India, New Delhi

*(Signature)*  
 01/08/2025

निदेशक (प्रभारी)/Director (I/C)  
 भारतीय वनस्पति सर्वेक्षण  
 Botanical Survey of India  
 भारत सरकार / Govt. of India  
 सी.जी.ओ. कॉम्प्लेक्स, सॉल्ट लेक सिटी  
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TRIPARTITE AGREEMENT

Between

Central Zoo Authority (CZA), Botanical Survey of India (BSI) & Convergence Energy  
Services Ltd (CESL)

For

Procurement and delivery of electric bicycles (passenger and cargo) at various Zoos  
and Botanical Garden locations under the administrative control of CZA



## AGREEMENT

This Agreement is entered on \_\_\_\_\_ day of \_\_\_\_\_ 2025 by and between

1. Central Zoo Authority (CZA), a Statutory Body of the Ministry of Environment, Forest and Climate Change. (Government of India) established under the Wildlife Protection Act, 1972 for providing delivery locations and related services incidental thereto as specified in the Scope of Work (hereinafter referred to as "**CZA**") which expression shall unless excluded by or repugnant to the meaning or context thereof be deemed to include its successors and assigns) of the **First Part**.

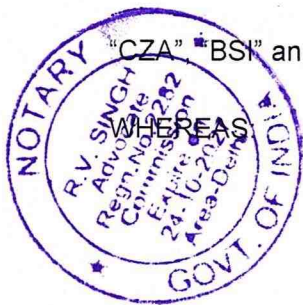
AND

2. Botanical Survey of India (BSI), the apex taxonomic research organization of the country which is under the Ministry of Environment, Forest & Climate Change, Government of India and mandated to explore, collect, identify and document the rich plant resources of India (hereinafter referred to as "**BSI**") which expression shall unless excluded by or repugnant to the meaning or context thereof be deemed to include its successors and assigns) of the **Second Part**.

AND

3. Convergence Energy Services Ltd (CESL) (a wholly owned subsidiary of Energy Efficiency Services Limited – CESL, a Joint Venture of PSUs under the Ministry of Power, Govt. of India), registered under the Companies Act 2013, with registered office at NFL Building, 2nd Floor, CORE-III, SCOPE Complex, Lodhi Road, New Delhi - 110003 for procuring and delivering electric bicycles as specified in the scope of work (hereinafter known as "**CESL**") which expression shall, unless the context otherwise requires, include its administrators, successors and permitted assigns), of the **Third part**.

"CZA", "BSI" and "CESL", are individually referred as "Party" and collectively as "Parties".



- a. The Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India launched National Clean Air Program (NCAP) in January 2019 with an aim to improve air quality in 130 cities (non-attainment cities and Million Plus Cities) in 24 States/UTs by engaging all stakeholders. The program envisages achieving reductions up to 40%

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or achievement of National Ambient Air Quality Standards for Particulate Matter<sub>10</sub> (PM<sub>10</sub>) concentrations by 2025-26 in 130 cities. Electric mobility is one of the air quality improvement measures as part of city action plans to address vehicular pollution. Deployment of electric bicycles at different Zoos and botanical gardens in NCAP cities will contribute improvement of air quality. MoEF&CC is responsible for providing funds for implementing the present proposal for deployment of e-bicycles in NCAP cities.

- b. Central Zoo Authority (CZA) aims to enforcing minimum standards and norms for upkeep and healthcare of animals in Indian zoos and to control mushrooming of unplanned and ill-conceived zoos. Amongst other functions, CZA is also responsible to provide technical and other assistance to zoos for their proper management and development on scientific lines. CZA intends to provide electric bicycles to its zoos and botanical gardens with the help of CESL for daily commute purposes by staff within the campus to ensure clean air in the zoo campus.
- c. Botanical Survey of India (BSI), is the apex taxonomic research organization of the country which is under the Ministry of Environment, Forest & Climate Change, Government of India and mandated to explore, collect, identify and document the rich plant resources of India. BSI is responsible for maintaining and using bicycles deployed to botanical gardens.
- d. CESL is amongst the first movers in the e-mobility segment, aggregating demand for electric buses, 2-wheelers, 3-wheelers as well as electric cars for government offices. CESL is foreseeing electric bicycle as a potential solution to decarbonize campuses. CESL has also developed a new program to promote sustainable micro mobility through large scale deployment of electric bicycles. This program supports the NCAP initiative of the Government of India by decarbonizing micro mobility & promoting sustainable transportation. CESL is engaged in the business of aggregating demand for government departments and providing PMC services for electric bicycles for different use cases (such as campus mobility). CESL has proposed to act as a project management agency to enable CZA improve air quality and decarbonize in its zoos and botanical gardens by deploying electric bicycles.
- e. CESL submitted a proposal to Central Zoo Authority to offer its services for adoption of non-motorized electric micro mobility solution for zoological parks and botanical gardens in NCAP cities. The proposal detailed the field survey analysis, technical solution, implementation arrangement, financial and payment terms etc.
- f. CZA shall procure e-bicycles through CESL.
- g. The purpose of this agreement is therefore to undertake deployment of electric bicycles in the identified zoos and botanical gardens under CZA from the funds provided under National Clean Air Programme (NCAP).

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The parties under this agreement shall endeavor to undertake various initiatives described in detail hereafter.

NOW THEREFORE, in consideration of the foregoing and the respective covenants and agreements set forth in this Agreement, the sufficiency and adequacy of which is hereby acknowledged, and intending to be legally bound hereby, the Parties agree the following:

## ARTICLE-1

### SCOPE OF THE WORK

#### 1.1 Project

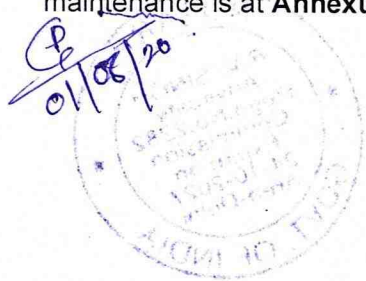
1. This Project shall be known as the "Procurement and supply of electric bicycles to Zoo and Botanical Garden through CZA". The following activities will form the scope of work under the present agreement:

(i) Procurement and supply of 2035 electric bicycles (746 commute e-bicycles and 1289 cargo e-bicycles) to be deployed in 39 zoos and two botanical gardens in NCAP cities. Technical specification of e-bikes is mentioned at **Annexure I**.

(ii) Setting up of charging infrastructure at respective Botanical Gardens and Zoos. The charging infrastructure shall comprise independent charger for each bicycle and also a composite charging facility for charging the batteries provided at a specific location. Details of the number of Charging stack for each location is given in the **Annexure IV** along the specifications of the stack.

(iii) Provision of 03 years warranty period and maintenance services at the doorstep for the e-bikes as well as charging facilities including deployment of manpower of up to two persons for coordinating the maintenance activities, one each at CESL/EESL and CZA. Costing of same will be part of the O&M activity. CESL will raise demand note/invoice as per payment terms for O&M separately. Details of roles & responsibilities of the manpower and type of manpower to be deployed is attached in **Annexure VI**.

(iv) For electric bicycles, warranty as specified in the technical specifications (**Annexure I**) and SLAs (**Annexure II**) shall be provided from the date of delivery of the electric bicycles for a period of three (03) years. The warranty will cover technical and manufacturing defects only and will exclude any physical damage / normal wear and tear. The warranty on the electric bicycle shall start from the date of the delivery of the product at designated locations. Schedule of servicing/ periodic maintenance is at **Annexure III**.



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(v) The scope also includes providing training to the users of e-bicycles at zoos/ botanical gardens at the time of delivery.

(vi) The technical specification of the e-bikes shall also accommodate the terrain conditions (7 degree gradient slope rate) at specified zoos/ botanical gardens.

**1.2 Project Management Consultancy (PMC):** CESL's Project Management Consultancy activities cover the following:

- (i) CESL on behalf of CZA shall procure and deliver 2,035 electric bicycles through GeM e-tendering process as per GFR-2017 Provisions and Guidelines.
- (ii) CESL shall prepare standard bid documents, along with the qualifying criteria, technical specifications, and payments terms, for floating the e-tender through GeM portal. CESL shall submit the Tender Document to MOEF&CC and CZA for their concurrence.
- (iii) MOEF&CC may constitute a committee in consultation with CZA with composition of one officer each from MoEF&CC, CZA and BSI to oversee the project implementation.
- (iv) CESL shall nominate a nodal officer / Project officer as a Single Point of Contact (SPoC) for project coordination after the signing of the agreement and notify the other parties.
- (v) The discovered rate shall be inclusive of warranty, freight & transit insurance upto the delivery locations identified by CZA/ MoEFCC. CESL's scope shall be limited to procuring & delivering electric bicycles at the identified locations i.e. Zoos and Botanical Gardens. Additionally, CESL shall also facilitate free servicing and warranty of electric bicycles for an initial period of three years from the date of delivery through its appointed vendor. Periodic maintenance services may be obtained by respective Zoos or Botanical Gardens through the vendor from fourth year onwards at actual costs.
- (vi) CESL shall intimate the rates of electric bicycles, Charging stacks and O&M cost, finalized through tender process to CZA, BSI and MoEFCC. The rates finalized through the tender process shall be considered as deemed accepted by CZA/BSI/ MoEFCC. The discovered rates will be in force for a period of 180 days or till the tender quantity is fully delivered whichever is earlier.
- (vii) CESL shall split the total order quantity amongst one or more bidders for the package. Basis on the outcome of the tendering process, CESL will get the electric bicycles delivered through the successful bidder (s).
- (viii) CESL shall sign a separate agreement with the successful bidder selected through the tendering process.

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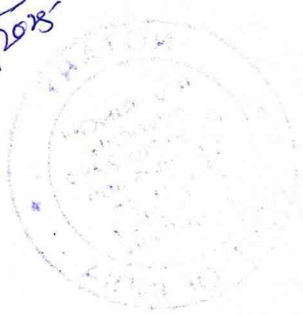


- (ix) CESL as a third-party inspection company may carry out stringent quality inspection of material wherever necessary at manufacturing company/dealer locations. Expense towards boarding/lodging/incidental for the same is in the scope of CESL. Further, no inspection charges shall be payable to CESL for the same.
- (x) Letter of Award (LoA) shall be signed by CESL with the successful bidder, within 15 days from the date of emerging as successful bidder on GeM portal through e-tendering process.
- (xi) The delivery period required for the supply of electric bicycles to the delivery locations is 100 Days (or as amended if required) from the date of signing of agreement by CESL with the selected bidder(s), in a phased manner.
- (xii) During the warranty period, the appointed vendor shall provide the services preferably on-site or at its nearest available dealership from the locations identified by CESL for rectification/exchange of the defective part of electric bicycles. In case of any issues for availing warranty services, CESL shall extend its support in fulfilment of necessary obligations during the warranty period. Further, the CESL shall share the dealership location to the Nodal officers of the concerned Zoos or Botanical Garden.
- (xiii) In case of replacement of product part due to manufacturing defect during the warranty period, CESL shall facilitate through the vendor who shall ensure the product replacement with similar specification. CESL's role will be to facilitate and review the specifications. The cost of replacement shall be borne by the vendor.
- (xiv) CESL shall take due measures such as consultations while finalizing the technical specifications of electric bicycles in the absence of notified standards for e-bicycles. However, in case of any unforeseen incident, neither party shall be liable for any failure due to causes beyond its reasonable control or any other force majeure event.
- (xv) No changes in the technical specifications should be made once approved by MoEFCC in the tendering process without prior intimation. However, in case CESL observes that any change in specifications, certifications etc., is required for the improvement of the product CESL shall inform the other parties in case of any material change.
- (xvi) MoEFCC, CZA, BSI and CESL on their mutual agreement may modify the terms and conditions of this agreement by issuing amendment.

1.3 CESL shall charge Project Management Consultancy (PMC) charges @ 9% exclusive of all the taxes which would be borne by the MoEF&CC as per payment terms on the rates of electric bicycles and associated costs, finalized through the E – tendering process.



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## ARTICLE 2

### Role of MoEFCC

- 2.1 To nominate a nodal officer / Project officer from their organization as a Single Point of Contact for project coordination immediately after the signing of the agreement.
- 2.2 MoEF&CC shall sanction the funds required for the procurement of e-bicycles and establishment of charging infrastructure, based on the final prices discovered through tendering process and make the payment as per the agreed payment terms under this agreement. The amount, based on the final prices arrived through the GEM tendering process will be provided by the MoEF&CC to CZA.
- 2.3 To instruct CZA to ensure timely release of payment as per the Terms and Conditions of GeM under GFR-2107 subject to availability of fund. The payment shall be made to the extent of the performance of the goods supplied to the Zoos and Botanical Gardens.

## Article 3

### Role of CZA

- 3.1 CZA shall nominate a Project officer from its organization to act as a Single Point of Contact for project coordination immediately after the signing of the agreement.
- 3.2 Each Zoo shall nominate a nodal officer of Zoos and Botanical Gardens for the overall program management and coordination at their respective locations. These appointed nodal officers shall ensure that designated personnel are present at the location at the time of delivery of bicycles. **The details of nominated nodal officers at respective Zoo are to be provided to CESL (List of Nodal officers attached as Annexure V).**
- 3.3 The nodal officer shall provide confirmation of stock receipt to the transporter on the delivery challan/ Material Receipt Acceptance Voucher (MRV) with name, signature of designated recipient and mobile number at the time of delivery and store a copy of the delivery challan for their records.
- 3.4 CZA shall collate information through the respective nodal officers of each Zoos and Botanical Garden to confirm the supply quantity, along with Delivery Challan/ Material Receipt Acceptance Voucher (MRV), for the stock as and when received. This information provided by each delivery location Nodal official, shall be maintained by CZA Project officer and shared with CESL as and when the delivery is accepted at





a particular location: The Project officer shall also keep an electronic and physical record of all documents pertaining to delivery of the electric bicycles.

3.5 Each Zoo's Nodal officer shall submit to CZA- a consolidated list of electric bicycles, within 4 working days of the date of stock receipt, regarding any external damages or shortages, failing which it shall be treated as deemed accepted. CZA shall, in turn, furnish the said details to CESL within an additional three (3) days.

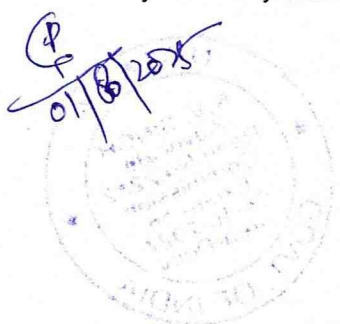
3.6 CESL shall provide necessary briefing/ training to the appointed nodal officers of Zoos and Botanical Gardens (identified locations) about the project and electric bicycles and ensure their support in promoting this program. The vendors may provide necessary training in the Zoos and Botanical Garden after completing delivery of the units.

3.7 CZA shall coordinate with MoEFCC to ensure timely release of the balance payments and shall provide necessary documentation required for approval of additional budget/ finalization of the budget. Disburse the payment to CESL based on terms and conditions as per this agreement. CESL should submit utilization certificate of the grant release immediately after delivery of 100% electric bicycles along with the GeM Portal Generated Invoices and other documents such as Warranty letters, etc. Further, the Certification of post- delivery of electric bicycles shall be provided by each Zoo to the CZA, the Certification will be shared with the MoEF&CC and CESL accordingly.

3.8 Each Zoo shall provide adequate space along with suitable electric load for setting up of charging facility by the Vendor. Further, each Zoo and Botanical Garden should develop adequate parking space for e-bicycles. The vendor shall train the Nodal officer of Each Zoo and Botanical Garden regarding the charging procedure.

3.9 Free Service (Operation and Maintenance) and Adherence to SLAs:

- a) CESL to coordinate with the selected bidder to avail free O&M services for a period of 3 years as per **Annexure III**, from the date of delivery of electric bicycles at the defined locations.
- b) The O&M may be extended beyond three years at the sole discretion of CZA at mutually agreed terms and conditions between Zoo and vendors.
- c) Zoo and Botanical Gardens directly or through its appointed nodal officers at Zoos and Botanical Gardens shall coordinate with the vendor to avail the warranty services and ensure compliances of all SLAs.
- d) In case of non-compliance of SLAs from the vendor side within the stipulated timelines, the concerned Zoo shall inform CZA/CESL through MIS (Management Information System) from the Zoos, within the first seven (07) days of every month.



*[Handwritten signature]*

e) Zoos to provide details of instances (excluding the details of complaints resolved within the stipulated SLA timelines) i.e. complaint/ notification no. and date, any written follow ups or any other documental proof for initiating necessary action against the vendor by CESL.

3.10 The vendor or successful bidder upon delivery of e-bicycles shall ensure the compliance of Battery Waste Management Rules, 2022 notified (as amended time to time) under Environment (Protection) Act, 1986) for environmentally sound management of waste batteries. Each zoo or botanical garden shall be responsible for environmentally sound management of batteries and handing over waste batteries to the vendor or any entity authorized or designated by the vendor, under the said rules.

#### ARTICLE 4

##### CONTRACT PERIOD

4.1 This Agreement shall come into force and effect on the date of its execution by all the Parties (the "Effective Date").

4.2 In case all parties are unable to sign on same date the party signing the document later in time/date shall be the effective date.

4.3 The contract will expire on completion of the warranty period or unless all dues of CESL are full and finally settled.

4.4 In the event of termination or expiry of this agreement, the parties will be obliged to fulfil all the obligations that may be obligatory on CESL under the purchase order with the vendor for deliveries made prior to such termination or expiry. The obligations up to the point of termination or expiry shall remain in effect and the Parties shall perform the respective obligations under this agreement.

4.5 In the event of termination or expiration of this agreement at any stage of the tendering process or issuance of purchase order by CESL, CZA/ MoEF&CC shall be liable to pay the PMC charges to CESL based on the expenses incurred by the CESL and/or up to the deliveries made by the CESL. The MoEF&CC and CZA will have the right to recover amount already released through PFMS from CESL with accrued interest

#### ARTICLE 5

##### PAYMENTS

5.1 The below table represents the calculation of cost of one cycle. The total count of cycles i.e. 2,035 shall be multiplied to estimate the payments to be made by

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CZA to CESL. Final cost determined through E-tendering process through GeM portal shall be shared by CESL post acceptance of LOA by the successful bidder.

**Table-A (Unit rate calculation of electric bicycle)**

S. No.	Particulars	Formulae for each type of cycle
1	Cost of electric bicycle and other services.	On actuals as determined through bidding.
2	Logistic cost for delivery	Nil
3	Cost of electric bicycle including delivery	Sum of S. No. 1 & 2
4	GST and Applicable taxes	As applicable
5	Selling price of electric bicycle to CZA	Sum of S. No. 3 to 4
6	CESL PMC	9% of S. No. 3
7	GST and applicable taxes on CESL PMC	As applicable
8	Total CESL PMC	Sum of S. No. 6 & 7
9	Total Amount Payable to CESL (Discovered Rates plus PMC)	Sum of S. No. 5 & 8

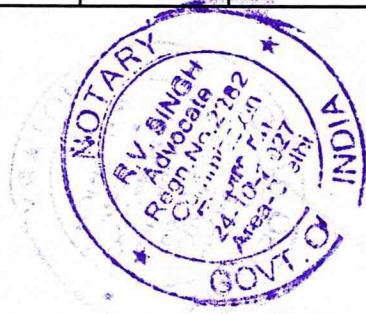
## 5.2

Payment terms:

(1) CZA shall make payments as per following terms subject the same is released by MoEF&CC:

Component	Instalment	Contract Value plus all taxes	PMC charges plus taxes
E-bicycle & Charging stack (Capex)	I	40% of contract value as the mobilization charges upon signing the agreement between CESL, MOEF&CC, CZA and BSI.	9%+ taxes on 40% of the contract value as PMC charges to be paid to CESL
	II	Balance 60% payment on supply of E-bicycles at designated places in batches	Balance 60% payment of PMC on supply of E-bicycles at designated places in batches
	II(a)	Phase 1: 15% of the Contract Value post-delivery of minimum 25% of the E-bicycles plus charging stack.	9%+ taxes on 15% of the contract value as PMC charges to be paid to CESL
	II(b)	Phase 2: 15% of the Contract Value post-delivery of another 25% of the E-bicycles plus charging stack (total 50% delivery).	9%+ taxes on 15% of the contract value as PMC charges to be paid to CESL

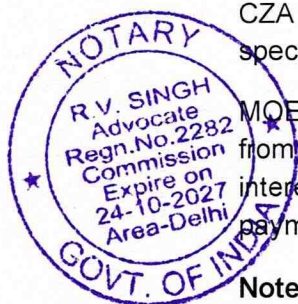
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	II(c)	Phase 3: 15% of the Contract Value post-delivery of another 25% of the E-bicycles plus charging stack (total 75% delivery).	9%+ taxes on 15% of the contract value as PMC charges to be paid to CESL
	II(d)	Phase 4: 15% of the Contract Value post-delivery of another 25% of the E-bicycles plus charging stack (total 100% delivery).	9%+ taxes on 15% of the contract value as PMC charges to be paid to CESL
	<b>Total</b>	<b>100% of the contract value of cost of E-bicycle and charging stack</b>	<b>9%+ taxes on 100% of the contract value as PMC charges to be paid to CESL</b>
<b>O&amp;M</b>	I	25% of the O & M value after successfully providing maintenance services for 9 Months from the date of delivery	9%+ taxes on 25% of the O & M value as PMC charges to be paid to CESL
	II	25% of the O & M value after successfully providing maintenance services for 18 Months from the date of delivery	9%+ taxes on 25% of the O & M value as PMC charges to be paid to CESL
	III	25% of the O & M value after successfully providing maintenance services for 27 Months from the date of delivery	9%+ taxes on 25% of the O & M value as PMC charges to be paid to CESL
	IV	25% of the O & M value after successfully providing maintenance services for 36 Months from the date of delivery	9%+ taxes on 25% of the O & M value as PMC charges to be paid to CESL
	<b>Total</b>	<b>100% of the O&amp;M value for E-bicycle and charging stack</b>	<b>9%+ taxes on 100% of the O&amp;M value as PMC charges to be paid to CESL</b>

CZA shall make the above-mentioned payments after release by MoEF&CC. Further, CZA shall furnish information according to the above terms for releasing the funds specified in the above table.



MoEF&CC and CZA to ensure that the payment is released to CESL within 15 days from the date of receipt of invoice/demand letter by CESL. CESL may charge necessary interest penalty recovery action (half yearly interest @ SBI's MCLR + 2 %) on the payments for the period of delay.

**Note:**

CZA to make a centralized payment to CESL as per this agreement.

In the event of termination, MoEF&CC shall be liable to make payments of the entire amount due under this Agreement for the number of electric bicycles plus charging stacks delivered and other associated costs by CESL, before receiving the notice of termination or during the termination notice. Furthermore, in the event of termination, MoEF&CC shall be liable to pay PMC charges to CESL under this Agreement on the actual expenses incurred for the services rendered by CESL.

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In case of unsuccessful conclusion of the tendering process due to no/ low participation, unreasonably higher quoted prices etc., CZA's decision shall be final and reserves the right to take decision for retendering/cancellation etc., with the intimation to the MOEF&CC. If required, CESL, CZA, and BSI may sign new agreement/addendum or amend this agreement based on mutual understanding.

5.3 CESL will raise the final invoice to CZA for full and final settlement against the post-delivery of all bicycles. Any excess/shortage shall be refunded/paid by the parties as per the above agreed timelines.

5.4 CESL shall coordinate with CZA, BSI and MoEFCC for all matters including timely release of payments.

5.5 All taxes and duties shall be covered under change of Law.

## ARTICLE 6

### SETTLEMENT OF DISPUTES

#### 6.1 Dispute Resolution

Any dispute, difference, or controversy of whatever nature regarding the validity, interpretation, implementation or the rights and obligations arising out of, or in relation to, or howsoever arising under or in relation to this Agreement between the Parties, and so notified by either Party to the other Party (the "Dispute") shall be subject to the dispute resolution procedure set out in this Article. It is specially clarified here that in case of any ambiguity that arises out of this agreement, the same shall be resolved between the parties.

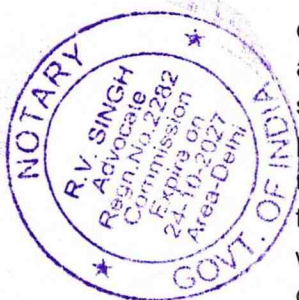
#### 6.2 Direct discussion between Parties

The Parties agree that any Dispute that may arise between them shall be first submitted for direct discussion between the Parties. For this purpose, the notice of Dispute (the "Notice of Dispute") sent by one Party to the other Party at its registered office shall be considered as invitation for direct discussion, and it should specify a reasonable time and venue for deliberation on the point of discussion. In addition, the Notice of Dispute shall specify the basis of the Dispute, and the amount claimed. In the direct discussion proceedings, each Party shall be represented by their authorized representatives/officials or employees. At the discussion/deliberation proceedings, the Party that has given the Notice of Dispute shall present an offer term of a settlement, which may form the starting point of discussions between the Parties during the discussion proceedings. This exercise needs to be completed within 30 days from the date of 1<sup>st</sup> Meeting between parties.

#### 6.3 Arbitration

a. In the event that the parties are unable to resolve the Dispute through Direct Discussion/deliberation, the Parties shall submit the Dispute for arbitration for its adjudication in accordance to the provisions of the Arbitration and Conciliation Act, 1996. There shall be a sole Arbitrator appointed by mutual agreement by the parties. In case no such appointment will be made the same may be referred by either of the parties to the competent court of law for necessary appointment of sole Arbitrator.

b. The said arbitration proceedings shall be conducted in the English language



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only. The arbitrator shall make a reasoned award. Any award made by the Arbitral Tribunal shall be final and binding on the parties as from the date it is made, and the parties agree and undertake to carry out such award without delay.

c. The arbitration proceeding shall be conducted at New Delhi

d. The cost incurred on the process of arbitration including inter alia the fees of the arbitral tribunal and the cost of the proceedings shall be borne by the Parties in equal proportions. Each Party shall bear its own legal fees incurred as a result of any Dispute under this Article.

e. Performance of this Agreement shall continue during the process of settlement of any Dispute under this Article except to the extent of the dispute. The provisions for dispute settlement shall be binding upon the successors, assigns and any trustee or receiver of either the "CESL" or the MoEFCC.

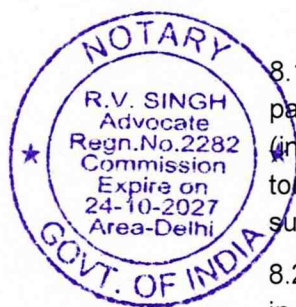
## ARTICLE 7

### CONFIDENTIALITY

7.1 Neither of the Parties shall, at any time, before the expiry or termination of this Agreement, without the consent of the other Party, divulge or suffer or permit its officers, employees, or agents to divulge to any person (other than to any of its or their respective Officers or Employees who require the same to enable them to properly carry out their duties), any information relating to the negotiations concerning the operations, contracts, commercial or financial arrangements or affairs of the other Party or any proprietary information of the other Party except the information which is already in public domain or becomes public knowledge, need to be disclosed by order of court / statutory authority etc. not with standing to anything contained herein.

## ARTICLE 8

### MISCELLANEOUS PROVISIONS



8.1 CESL will be liable for any delay or default attributable to CESL. Also, neither party shall be liable to the other for any special, indirect, incidental, consequential (including loss of profit or revenue), exemplary or punitive damages whether in contract, tort or other theories of law, even if such party has been advised of the possibility of such damages. CESL aggregate liability shall not be more than the contract value.

8.2 CESL shall not be liable for or be deemed to be in default for, delay of or failure in delivery or performance of any other act under this Agreement due directly or indirectly, to any act of God or the public enemies, civil war, insurrection or riot, fires, floods, explosions, earth quakes or serious accident, epidemics or quarantine restrictions, any act of government or any other civil or military authority, allocation regulations or orders affecting materials, facilities or completed Equipment's, strikes or labor troubles causing cessation, slowdown or interruption of work, inability after due and timely diligence to procure materials, accessories, Equipment's or parts, or transportation, or due to any other cause to the extent it is beyond Supplier's reasonable

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control or not occasioned solely by Supplier's fault or gross negligence.

### 8.3 Indemnity:

CESL shall indemnify, defend, and hold harmless CZA, its officers, employees, and agents from and against any and all claims, damages, liabilities, costs, and expenses (including reasonable legal fees) arising out of or in connection with:

- (i) any breach by CESL or its subcontractors of this Agreement;
- (ii) any negligent act, omission, fraud, or misconduct of CESL or its agents;
- (iii) any violation of applicable laws, including but not limited to environmental and labor laws; and
- (iv) any third-party claims arising from defects in goods or services delivered under this Agreement.

### 8.4 Force majeure

Except to the extent otherwise provided herein, no liability shall result to other Party from delay in performance or from non-performance caused by circumstances beyond the control of the Party affected, including but not limited to act of God, fire, flood, explosion, war, action or request of governmental authority, accident, labor strike but each of the hereto shall be diligent in attempting to remove such cause or causes. If such an event lasts for a continuous period of thirty (30) days, then either party may at any time thereafter while such performance continues to be excused, terminate the Agreement without liability, by notice in writing to the other party.

### 8.5 Termination:

The Agreement may be terminated:

- a. Forthwith if either party commits any breach of any term of this contract and which in the case of a breach capable of being remedied shall not have been remedied within thirty (30) working days of written notice to remedy the same;

Forthwith by either party if the other party shall convene a meeting of its creditors or if a proposal is made for a declaration as insolvent or a proposal for any other composition scheme or arrangement (or assignment for the benefit of its creditors), or if a trustee receiver, administrative receiver or similar officer is appointed in respect of all or any part of the business assets of the other party or if an order is made or a resolution is passed for the purpose of the winding-up of the other party or for the making of an administration order (otherwise than for the purpose of amalgamation or reconstruction);



By either party pursuant to Force Majeure.

Termination shall be without prejudice to any other rights or remedies a party may be entitled to hereunder or at law and shall not affect any accrued rights or liabilities of either party nor the coming into force or continuation in force of any provision hereof which is expressly intended to come into force or continue in force on or after such termination.

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In the event of termination, MoEF&CC shall be liable to make payments of the entire amount due under this Agreement for which supply made/dispute have been rendered or supply have been made by CESL, before receiving the notice of termination or during the termination notice. Furthermore, in the event of termination, MoEF&CC shall be liable to pay PMC charges, as applicable, to CESL under this Agreement once tendering has been carried out by CESL. Forthwith on the expiry or earlier termination of this agreement, each party shall, return to the other party all documents and materials, belonging to the other party with regard to this Agreement, or shall at the option of the disclosing party destroy all documents or materials in connection with this assignment.

### 8.1 Governing Law and Jurisdiction

This Agreement shall be construed and interpreted in accordance with and governed by the laws of India, and the Courts of Delhi (non-negotiable) shall have exclusive jurisdiction over all matters arising out of or relating to this Agreement.

### 8.2 Severability

If for any reason whatever any provision of this Agreement is or becomes invalid, illegal or unenforceable or is declared by any court of competent jurisdiction or any other legal and valid instrumentality to be invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not be affected in any manner, and the Parties will negotiate in good faith with a view to agreeing upon one or more provisions, which may be substituted for such invalid, unenforceable or illegal provisions, as nearly as is practicable. Provided failure to agree upon any such provisions shall not be a subject matter to dispute resolution under this Agreement or otherwise.

### 8.3 Entire Agreement

This Agreement and the Annexure referred therein together constitute a complete and exclusive statement of the terms and conditions of the agreement between the Parties on the subject hereof and no amendment or modification hereto shall be valid and effective unless such modification or amendment is agreed to in writing by the Parties and duly executed by persons especially empowered in this behalf by the respective Parties.

### 8.4 Compliance with Laws and Directives

"MoEF&CC", "CZA", "BSI" and "CESL" shall comply with all the laws as applicable to them.

### 8.5 Assignment & Sub-contracting

CESL may be entitled to subcontract tasks relating to its obligations and responsibilities under this Agreement with prior permission of MoEF&CC and CZA, including but not limited to tasks relating to implementation of the Project. However, CESL shall be sole and primarily responsible to the MoEF&CC and CZA for the observance of all the provisions of this Agreement.

### 8.6 Non-Waiver of Rights

The failure of any Party to enforce at any time the provisions hereof shall not be construed to be a waiver of any such provisions or a waiver of the right of such Party



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thereafter to enforce any such provisions. No waiver by a Party of any right hereunder shall be deemed a waiver of any other right.

#### 8.7 Trademark & Public Rights

No party shall use other party's trademark or name in any communication, products etc. without its consent in writing.

CZA reserve the rights to mention or use its name or logo on the electric bicycles for the purpose of business promotion.

CZA logo shall be embedded on each and every electric bicycle delivered in Zoos and Botanical Gardens as funding agency.

#### 8.8 Packaging - Logo & printing and Color of Electric Bicycle

To ensure that electric bicycles distributed under this Scheme are not misused, the electric bicycles shall have a logo of CZA (Having vendor contact details/ numbers). The design of the logo shall be provided by CZA.

1. The electric bicycle package will include a leaflet entailing relevant information such as installation instruction, bicycle parts, charging instructions, DOs & DON'Ts, Call centre number along with logo of CZA, CESL, NCAP (text: National Clean Air Programme), and MoEF&CC.
2. The CZA will collate the logo and design (height, color, length) and will share it with the CESL and each Electric bicycle shall contain the logo of the CESL, BSI/CZA (where applicable) and Mission LIFE and NCAP (text) of MoEF&CC.

The electric bicycle shall be provided in a single-color theme only (Blue). Any specific color requests shall not be entertained under any circumstances.

#### 8.9 Principal to principal

It is agreed that CESL, CZA, BSI and MoEF&CC shall act principal to principal basis and nothing in this Agreement shall be deemed to have created a joint venture between the Parties to this Agreement and neither Party has the right or authority to assume or create obligations of any kind addressed to or intended for the other Party or to bind the other Party in any respect except as may be set out in this Agreement.

#### 8.10 Notice

All notices permitted or required to be made under this agreement shall be in writing and signed by the authorized representatives of the Party giving such notices and shall be delivered personally against acknowledgement or by fax or by registered mail to the other Party at its address set forth herein below or at such address as such other Party may subsequently notify.

#### 8.11 Penalty

Penalty charges of 0.5% along with other penalty charges, as specified in the 'Penalty clause' at **Annexure-II**, shall be charged from vendors by CESL with back-to-back arrangements where CESL shall remit the same to CZA/MoEF&CC.

**Addresses:**



*[Signature]*  
01/12/2025

*[Signature]*

Attention:	Attention:	Attention:
Central Zoo Authority	BSI	CESL
[address 1]	[address 1]	[address 1]
[address 2]	[address 2]	[address 2]
[address 3]	[address 3]	[address 3]
Phone:	Phone:	Phone:
Email:	Email:	Email:

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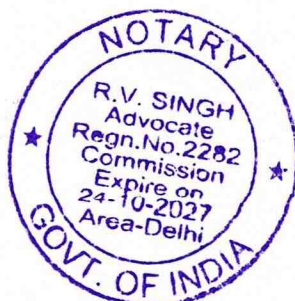
[signature page follows]

Director (NC)  
Botanical Survey of India  
Ministry of Environment, Forest & Climate Change  
CGO Complex, Connaught Place, New Delhi-110088



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IN WITNESS whereof the Parties have executed and delivered this Agreement as on the date mentioned above.

i. **SIGNED SEALED AND DELIVERED**

For and on behalf of **CZA**

Authorized Signatory

Witness:

आकांक्षा महाजन / AKANKSHA MAHAJAN  
उप वन महानिरीक्षक (मुख्यालय)  
Dy. Inspector General of Forests (H.Q.)  
केन्द्रीय चिड़ियाघर प्राधिकरण / Central Zoo Authority  
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change  
भारत सरकार, नई दिल्ली / Govt. of India, New Delhi

ii. **SIGNED SEALED AND DELIVERED**

For and on behalf of **BSI**

Authorized Signatory

Witness:

डिरेक्टर (I/C)  
भारतीय वनस्पति सर्वेक्षण  
Botanical Survey of India  
भारत सरकार / Govt. of India  
सी.जी.ओ. कॉम्प्लेक्स, सॉल्ट लेक सिटी  
CGO Complex, Salt Lake City  
कोलकाता-700 064/Kolkata-700 064

iii. **SIGNED SEALED AND DELIVERED**

For and on behalf of **CESL**

Authorized Signatory

Witness:



**Annexure I**  
**Technical Specifications of Electric Bicycles – Commute and Cargo**

Technical Specifications of Electric Cycles		
Parameter	Commute Electric Bicycle	Cargo Electric Bicycle
Motor		
Type	Brush Less DC (BLDC)	
Capacity	Less than 250 W with IP65 protection	
Certification	As per AIS 041 or equivalent international standard	
Battery- LFP Type with key lock having minimum 2000 charging cycles		
Type	Detachable and Lockable- Rechargeable Lithium-ion battery (LFP) with IP65/ IP67 protection	
Battery Capacity & Range	Minimum 330 Wh having a minimum range of 30 km with throttle	Minimum 440 Wh having a minimum range of 40 km in throttle mode.
Charging rate	0.2C	
Charger Type	2A DC Voltage – Waterproof Charging Pin (IP 65 / IP67 Protection)	
Battery Warranty	3 years with battery degradation of not more than 15% after 3 years.	
Certification	(i) IP 65 / IP67 Protection (ii) Certifications as per IS 16046 or AIS 156 or equivalent international standard	
Electronics		
Display and Controller	Displaying On/Off, battery level, speed modes etc.	
Cabling	All exposed cabling / connectors should be IP65/67	
E-Braking	E-brake cut off (cut off power supply while braking)- Testing to be done as per EN 15194:2017 (E) or equivalent international standard	
Brakes and Reflectors and other equipment		
Front wheel	Disc Brake	
Rear wheel	Disc / Drum brake	
Front reflector	One white reflector (to be placed as per safety standards)	
Back reflector	One red reflector (to be placed as per safety standards)	
Indicators	LED Type (preferably orange) - Left - Right Indicators (Rear)	
Electric Horn	On Handle and sound range between 83-112db	
Locking Mechanism	Ignition Cut off with key	
Other Components		
Frame	Steel / Alloy frame. Test Certificate as per EN 15194 :2017 (E) or equivalent international standard.	
Frame Type	Unisex	
Rim Type	Double wall alloy with Spokes- Testing to be done as per EN 15194:2017 (E) or equivalent international standard	
Rim size	24" X Minimum 1.9"	
Gear	Single speed	
Fork	Spring Type Suspension - Testing to be done as per EN 15194:2017 (E) or equivalent international	



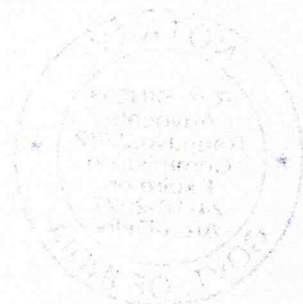
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	<b>standard</b>
<b>Handlebar</b>	Testing to be done as per <b>EN 15194:2017 (E) or equivalent international standard</b>
<b>Chain</b>	Chain set along with Chainguard

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<b>Spokes, Chain, Pedal, Seat, Brakes</b>	Test Report as per EN 15194 :2017 (E) or equivalent international standard	
<b>Stand (Prop and Centre)</b>	Test Report as per EN 15194 :2017 (E) or equivalent international standard	
<b>LED Headlight</b>	Lighting to be as per EN 15194 :2017 (E) or equivalent international standard. To be placed at the front of the electric bicycle and should be adjustable.	
<b>Saddle (Wide)</b>	Height Adjustable having Extra Foam and Wide seat with - Size- 24.1 cm x 29.2 cm (+/- 10%) Comfortable slip proof material	
<b>Max Speed</b>	25 kmph	
<b>Unladen weight of the cycle</b>	<60 kg	
<b>Payload</b>	<b>90kg</b>	120 kg
<b>Tyre</b>	Nylon tube tyre	
<b>Mudguards</b>	Steel - Front and Back Weight and dimensions: Min 500 g or equivalent Front length: Min 635 mm (1 stay) or equivalent Back length: Min 1147 mm (2 stays) or equivalent	
<b>Basket/ Carrier</b>	<b>Mild Steel - Detachable Full Mesh Type Front Basket (+/- 10%) Colour : Black</b> L X W X H- Minimum 12 x 12 x 5 Centimetres	L X W X H- Minimum 13"X7.2"X8"  Carrier -Heavy Duty Steel - Long tail carrier and front load basket
<b>External Lock</b>	External number chain lock	
<b>Comprehensive Warranty on Product</b>	<p><b>Unconditional comprehensive warranty shall include Battery, motor, controller (with display, throttle and pedal assist sensor), frame and charger.</b></p> <p><b>Warranty shall be applicable in case the seal of the parts has not been tampered with wherever applicable.</b></p>	

Rear view mirrors, mobile holder, mobile bag, water bottle holder, additional seat, insulated bag, additional bag or any other accessories etc. are not part of the standard product. These should be provided at additional cost (as per actuals) directly by the vendor of CESL as per the requirement.



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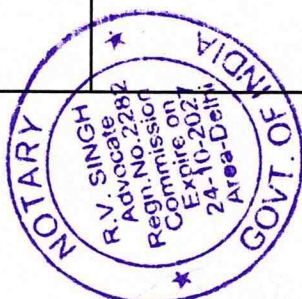


## Annexure II

## Service Level Agreement (SLA) with supplier (s)

S No.	Service Level Parameter Description	Service Validation Description	Penalty
1	<p><b>Timely Delivery of Electric bicycle in working conditions: -</b></p> <ul style="list-style-type: none"> <li>The bidder must ensure the electric bicycles are road worthy and delivered as per scheduled date of delivery at designated place stated on purchase order.</li> <li>The electric bicycles to be equipped with agreed design and accessories.</li> </ul>	<ul style="list-style-type: none"> <li>Bidder must ensure dispatch of electric bicycle to the client location within 90 days of the issuance of the purchase order by CESL.</li> <li><b>Copy of PO /intimation, Challan from Client:</b> Delivery challan to be signed by representative of OEM and Client.</li> <li>Invoice and warranty card (describing the T&amp;C's of the warranty) to be delivered to the end user along with the electric bicycles.</li> <li>Bidder to ensure electric bicycles with same specifications, design and accessories are dispatched at client location. (CESL would undertake pre dispatch inspection of the lot ready to be delivered at the client location)</li> </ul>	<ul style="list-style-type: none"> <li>0.5% penalty on the supply value of the delayed quantity from vendors by CES L with a back-to-back arrangement will be recovered and remittance to be made to Mo EF&amp;CC</li> </ul>

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2	<b>Helpline Numbers and business hours: -</b> <ul style="list-style-type: none"> <li>• "Business Hour" between 900 to 1800 hours IST, excluding Sundays and public holidays.</li> <li>• A customer service helpline number for calling, SMS and WhatsApp to be enabled during the business hours. A dedicated email address for customer queries, should also be enabled.</li> </ul>	<ul style="list-style-type: none"> <li>• The bidder must ensure at least 2 workmen assigned to register the ticket during the business hours.</li> <li>• The Ticket(s) to be registered/recorded and to be shared with the dealer/technician/bid der/concerning authority.</li> <li>• The complaint must be acknowledged within 2 hours.</li> <li>• The Resolution time to be noted by client and selected bid der must comply to the SLA mentioned at S.No. 3 below.</li> <li>• Selected bidder shall submit a quarterly report of complaints registered and resolution timelines to CESL and Client.</li> </ul>	
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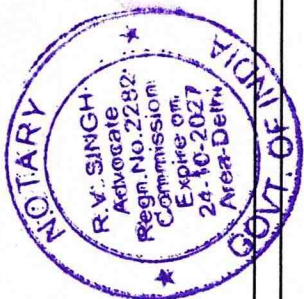
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Repair, maintenance and after sale services of electric bicycle:-	Severity	Nearest dealership/ technician >25 Kms	Nearest dealership/ technician >25 Kms	
<p>3</p> <ul style="list-style-type: none"> <li>Based on the availability of technician, nearest dealership, and severity of the defect, the bidder to ensure timely replacement or repair of the electric bicycle or its component(s) under warranty.</li> <li>Maintenance and services to be provided on site/dealership</li> <li>Replacement or repair of parts under warranty will be provided at no additional charges.</li> <li>The normal wear and tear</li> </ul>	<p><b>High:</b></p> <p>The user is unable to operate the electric bicycle</p> <p><b>Low:</b></p> <p>The user is not prohibited to operate the electric bicycles</p>	<ul style="list-style-type: none"> <li>Turn around time to replace or repair an electric bicycle component should not be more than 3 business days</li> </ul>	<ul style="list-style-type: none"> <li>Turn around time to replace or repair an electric bicycle component should not be more than 3 business days</li> <li>Turn around time to replace or repair an electric bicycle component should not be more than 4 business days.</li> </ul>	<ul style="list-style-type: none"> <li>In case the bicycle is to be replaced: A penalty of INR 1000 per day per bicycle after the assigned time till the time vehicles replaced will be charged.</li> <li>In case the bicycle component is to be replaced: A penalty of INR 500 per day per bicycle after the assigned time till the time component is replaced will be charged.</li> </ul>



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related issues shall not be a part of warranty services and client will have to resolve the same on their own.				
<ul style="list-style-type: none"> <li>The warranty shall not cover any type of physical damage/ misuse by end user.</li> </ul>				

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4	<p><b>Awareness of Warranty services at the time of delivery: -</b></p> <ul style="list-style-type: none"> <li>Awareness of the warranty services and its time frame to be provided.</li> </ul>	<ul style="list-style-type: none"> <li>The bidder to mention the terms and conditions of the warranty on the warranty card.</li> <li>The timeframe of servicing of different components of electric bicycle to be mentioned cl early in the warranty card.</li> </ul>	
5	<b>Periodic Maintenance</b>	Service of preventive maintenance schedule to be as per <b>Annexure (III)</b> below.	@ Rs. 1,000/- for every week's of delay or part thereof.

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## Annexure III

## Periodic Service and Maintenance Schedule for Electric Bicycles

SI NO	JOBS /ACTIONS	1ST SERVICE months whichever is earlier	2ND SERVICE 6 months whichever is earlier	3RD SERVICE 12 months whichever is earlier
1	Whole cycle	C	C	C
2	Brake system	C, I & A	C, I & A	C, I & A
3	Wheels/ Mudguards	I & A	I & A	I & A
4	Handle adjustment	A, I	A, I	A, I
5	Chain/Crank/Pedal	A, I, L	A, I, L	A, I, L
6	Fork/ suspension	C, I, L	C, I, L	C, I, L
7	Tyre pressure (30-40 PSI)	I	I	I
8	Electrical switches/Lights/ wire harness	I	I	I
	Nuts & Bolts (Fasteners)	T	T	T
9	Rim/ Spokes	T & A	T & A	T & A
10	Battery functioning (cell voltage check, Capacity test)	I	I	I

A- Adjust, C-clean, L - Lubricate, I - Inspect &amp; correct, T- Tighten

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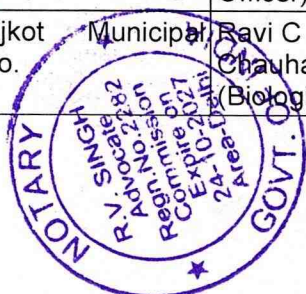




## Annexure IV

**No. of Zoos and Nodal Officers for E-Bike procurement with allotment:**

State	NCAP City	Sl.	Name of the Park and Zoological Botanical Garden	Name of the Nodal officer	Phone Number	No. of E-cycles			No of stacks assumin g 1 stack for 25 e-bicycles*	Actual Battery Stack (Nos.)* (rounded up)
						Cargo	Comm ute	Total		
Andhra Pradesh	Vishakhapatnam	1	Indira Gandhi Zoological Park.	Mangamma, Curator, IGZP	8125597988	44	25	69	2.6	3
		2	Sri Venkateswara Zoological Park, Tirupati	C. H. Nagabhushanam, Assistant Conservator of Forests	9440810067	40	25	65	2.6	3
Assam	Guwahati	3	Assam State Zoo Cum Garden	Ashwini Kumar, Director	7017566929	25	10	35	1.4	2
Bihar	Patna	4	Sanjay Gandhi Biological Park.	Arvind Verma, dy. Director	7488783953	40	25	65	2.6	3
Chhattisgarh	Raipur	5	Nandanvan Jungle Safari (Naya Raipur).	Shri Khileshwar Nishad, Specialist, Nandanvan Zoo & Jungle Safari	9131256412	30	20	50	2	2
Delhi	Delhi	6	National Zoological Park	Dr Manoj Kumar, Curator	9459352291	44	30	74	2.6	3
Gujarat	Surat	7	Dr. Shyamaprasad Mukherjee Zoological Garden	Dr. Rajeshkumar A.Patel ( Zoo Supt.)	9825334245	30	15	45	1.8	2
	Ahmedabad	8	Kamla Nehru Zoological Garden	Dr. Sharva Shah, Zoo Supdt.	09913211187	30	15	45	1.8	2
	Vadodara	9	Sayaji Baug Zoo.	Mr. Manav Mehta (Edu. Officer)	9033340778	30	15	45	1.8	2
	Rajkot	10	Rajkot Municipal Zoo.	Ravi C Chauhan (Biologist)	9537827872	30	15	45	1.8	2



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Jammu & Kashmir	Jammu	11	Jammu Zoo	Anil Kumar Atri Addl. Dir	9797604648	30	10	40	1.6	2
Jharkhand	Ranchi	12	Bhagwan Birsa Biological Park.	Ashok Kumar Singh (ACF),	8210213187	25	15	40	1.6	2
Karnataka	Bangalore	13	Bannerghatta Biological Park	Ashok, RFO Zoo	9035092793	40	25	65	2.6	3
	Davangere	14	Indira Priyadarshini Sangrahalaya,	Mr. Sreenivasa Murthy, Executive Director	07676249161	10	10	20	2	3
Madhya Pradesh	Bhopal	15	Van Vihar National Park Zoo.	Dr. Ruhi Haque	9981180819	35	15	50	2	2
	Indore	16	Kamla Nehru Prani Sangrahalaya Zoo	Dr. Uttam Yadav, Director	9425062179	25	15	40	1.6	2
	Gwalior	17	Gandhi Zoological Park.	Dr. Upendra Singh Yadav, Zoo Incharge	9826506781	20	12	32	1.28	2
Maharashtra	Aurangabad	18	Aurangabad Municipal Zoo.	Dr. Niti Singh	9850140014	20	12	32	1.28	2
	Mumbai	19	(i) Veermata Jijabai Bhosale Udyan & Zoo, byculla	Dr. Komal Raul Dy. Supdt. of zoo	9867117411	40	25	65	2.6	3
	Pune	20	Rajiv Gandhi Zoological Park and Wildlife Research Center.	Dr. Suchitra Patil, Dy. Director	9767962762	40	25	65	2.6	3
Nagaland	Dimapur	21	Nagaland Zoological Park, Rangapahar	Watisungla Amer	8974795812	25	18	43	1.72	2
Odisha	Bhubaneswar	22	Nandankanan Biological Park.	Sanath Kumar N, Dy. Director	9437022023	44	30	74	2.6	3
	Rourkela	23	Indira Gandhi Park Zoo. Rourkela	Dr. A. Biswas, Sr. Vet. & I/C (ZDP)	08895500083	10	10	20	2.6	2
Chandigarh	Chhatbir	24	Mahendra Chaudhary Zoological Park, Chhatbir	Harpal Singh, Range Officer-cum-PRO & Zoo Education Officer	9855808072	44	25	69	2.6	3

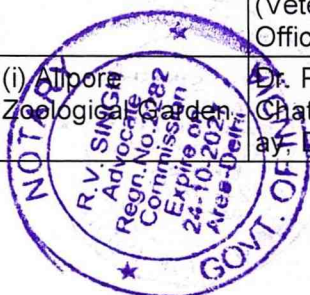


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Punjab	Ludhiana	25	Ludhiana Zoo.	Narinder Singh	8054753777	25	12	37	1.48	2
Rajasthan	Jaipur	26	Nahargarh Biological Park (Jaipur Zoo).	Davinder Singh Rathore, ACF	09414332172	40	25	65	2.6	3
	Jodhpur	27	Machia Biological Park (Jodhpur Zoo).	Ramesh Kumar, DCF (WL)	9461145705	40	25	65	2.6	3
	Kota	28	Abhedha Biological Park.	Prem Singh, ACF Wildlife Kota	9987630380	40	25	65	2.6	3
	Udaipur	29	Sajjargarh Biological Park.	Shurabhi Sharma, ACF	7014512178	40	25	65	2.6	3
Tamil Nadu	Chennai	30	Arignar Anna Zoological Park	P. Manikandaprabhu, Asst. Dir, Shri Manish Meena, Dy. Dir.	9487684072, 8295947707	44	30	74	2.6	3
		31	Childrens Park, Guindy	Shri Sarvanand, Supdt	9790337192	20	7	27	1.08	2
Telangana	Hyderabad	32	Nehru Zoological Park.	Ms. J. Vasantha, Curator	09440810182	40	20	60	2.2	2
Uttar Pradesh	Kanpur	33	Kanpur Zoological Park	Naved Ikram	9927198318	30	13	43	1.72	2
	Lucknow	34	Nawab Wazid Ali Shah Zoological Garden.	Shri Dinesh Kumar Badola, Range Officer	9453437344,	40	25	65	2.6	3
	Gorakhpur	35	Shaheed Ashfaq Ullah Khan Prani Udyan Gorakhpur	Gaurav Verma, Range Forest Officer	9560886061	40	25	65	2.6	3
	Noida	36	Botanical Garden of Indian Republic	-	-	5	2	7	0.28	1
Uttarakhand	Dehradun	37	Dehradun Mini Zoo (Malsi Deer Park)	Neeraj Kumar (Director), Dr. Pradeep Mishra (Veterinary Officer)	9412439213, 8057832646	30	10	40	1.6	2
West Bengal	Kolkata	38	(i) Alipore Zoological Garden.	Dr. Piyali Chattopadhyay, Dy.	8697204348	40	25	65	2.6	3



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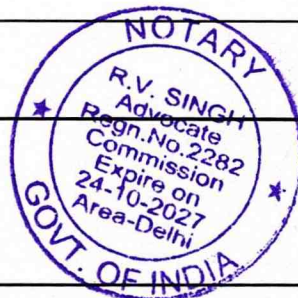
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gal				Director						
		39	(ii)Harinalaya at Eco Park (Nature Parkat Taratola Road).	Vivek Ojha (Range Officer)	6294967024	20	10	30	1.2	2
	Howrah	40	Gar Chumuk (Ulughata) Deer Park.	Shri Dipak Kumar Mandal,(WB FS) Divisional Forest Officer	9733581209	24	10	34	1.36	2
		41	Acharya Jagdish Chandra Bose India Botanical Garden	-	-	20	15	35	1.4	2
	TOTAL					1289	746	2035	82.00	100

#### EE. Electric bicycle Battery stack design

The tentative technical specifications for stack for the battery pack for electric bicycles is as follows:

<b>Overall Slack</b>	
Material	Mild Steel
Colour	Black/ Grey
Overall height	~168 cm
Width of the stack	~75 cm
Depth of the stack	~61cm
Elevation from Ground	~12 cm
<b>Slabs</b>	
Material of slab	Mild steel
Colour of slab	Black/ Grey
Total No. of Slabs in the stack	7
No. of Batteries in each Slab	3
Height of Separator between batteries with equal distance	~2 cm
Height of each slab	~24 cm
<b>General Specs</b>	
Case of the stack	The stack to be covered from three sides with air vents and to have a glass door with mechanical/ click lock from front side for inserting and removing the battery packs.



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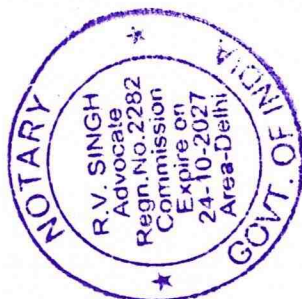
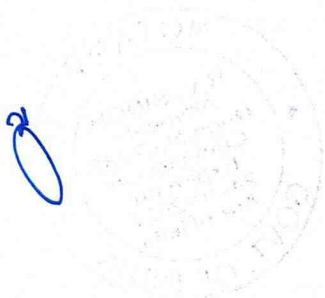


Stand/Fixture	The stack to be integrated with Floor Protector and four (04) castor wheels with stoppers having load capacity of >100 kg and height of ~5cm from ground level.
Finishing Coat	Epoxy Polyester Powder Coating
Glass door vented	Glass door
<b>Electrical Specs</b>	
Charging	The stack to have accessibility to wire/cables to charge minimum 20 nos. of electric batteries.
Socket	<b>3 Sockets on (any) side wall at convenient location on each slab</b> with adequate voltage/ load protection equipment on each slab such as fuse/ MCB for power cut off in respective slabs i.e 7 load protection devices for 7 slabs. Further, in case of any electrical fault in any of the slabs, other slabs should remain unaffected and working.
Safety Protection	The rack should be designed to protect the circuit from overvoltage and short- circuit which could happen due to a sudden influx of direct current. To prevent the same the rack should be well equipped with voltage protection technology. <ul style="list-style-type: none"> <li>• <b>Overload Protection:</b> Integrate circuit breakers and fuses in each respective slabs to prevent overloads that could lead to electrical fires. Ensure that all sockets are rated appropriately for the devices connected to them.</li> <li>• <b>Surge Protectors:</b> Use surge protection devices to guard against voltage spikes that can damage sensitive electronics.</li> </ul>

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**Note:** Dimension may have a tolerance of +/- 10%. Separator to be provided in between the batteries with a minimum height of 2 cm.

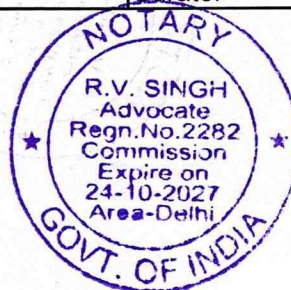
**Note:** The Cubicle stack need to be covered from three sides and fixed with a lockable glass door from one side.



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## ANNEXURE V

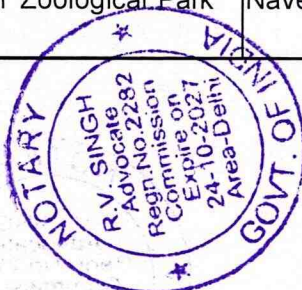
State	NCAP City	S l.	Name of the Park and Zoological Botanical Garden	Name of the Nodal officer	Phone Number
Andhra Pradesh	Vishakhapatnam	1	Indira Gandhi Zoological Park.	Mangamma, DCF, IGZP	8125597988
		2	Sri Venkateswara Zoological Park, Tirupati	C. H. Nagabhushanam, Assistant Conservator of Forests	9440810067
Assam	Guwahati	3	Assam State Zoo Cum Garden		
Bihar	Patna	4	Sanjay Gandhi Biological Park.		
Chhattisgarh	Raipur	5	Nandanvan Jungle Safari (Naya Raipur).		
Delhi	Delhi	6	National Zoological Park		
Gujarat	Surat	7	Dr. Shyamaprasad Mukherjee Zoological Garden	1.) Dr. Rajeshkumar A. Patel ( Zoo Supt.) 2.) Hina Patel (Zoo Guide)	(1) 9825334245 (2) 9825905309
	Ahmedabad	8	Kamla Nehru Zoological Garden		
	Vadodra	9	Sayaji Baug Zoo.	(1) Mr. Manav Mehta (Educ. Officer) (2) Dr. Yash Parmar (VO)	(1) 9033340778 (2) 9537537823
	Rajkot	10	Rajkot Municipal Zoo.	(1) Ravi C Chauhan (Biologist) (2) Dr. Upendra Patel (VO)	(1)9537827872, (2)9737927270
Jammu & Kashmir	Jammu	11	Jambu Zoo		
Jharkhand	Ranchi	12	Bhagwan Birsa Biological Park.	(1) Ashok Kumar Singh (ACF), (2) Vivekanand Kumar (Senior Zoo Biologist)	(1) 8210213187, (2) 8797378820
Karnataka	Bangalore	13	Bannerghatta Biological Park	Ashok, RFO Zoo	9035092793
Madhya Pradesh	Bhopal	14	Van Vihar National Park Zoo.	Sunil Sinha	9425426520
	Indore	15	Kamla Nehru Prani Sangrahalaya Zoo	Dr. Uttam Yadav, Director and Er. Nihar Parulekar, Curator	9425062179, 7225869026





	Gwalior	16	Gandhi Zoological Park.		
Maharashtra	Aurangabad	17	Aurangabad Municipal Zoo.	Dr. Niti Sing	9850140014
	Kolhapur	18	Maharaja Shahaji Chhatrapati Zoo.		
	Mumbai	19	(i) Veermata Jijabai Bhosale Udyan & Zoo, byculla		
		20	(ii) Sanjay Gandhi National Park Zoo, Borivali		
	Pune	21	Rajiv Gandhi Zoological Park and Wildlife Research Center.		
		22	Nisargkavi Bahinabai Chaudhary Pranisangarhalya, Pimpri	1) Dr. Arun Dagde (Director) 2) Dr. Shailaja Kolekar (Curator)	1) 9049190817 2) 7499021163
Nagaland	Dimapur	23	Nagaland Zoological Park, Rangapahar	Watisungla Amer	8974795812
Odisha	Bhubaneswar	24	Nandankanan Biological Park.		
Punjab	Chhatbir	25	Mahendra Chaudhary Zoological Park, Chhatbir		
	Ludhiana	25	Ludhiana Zoo.	Narinder Singh	8054753777
Rajasthan	Jaipur	26	Nahargarh Biological Park (Jaipur Zoo).		
	Jodhpur	27	Machia Biological Park (Jodhpur Zoo).		
	Kota	28	Abhedha Biological Park.		
	Udaipur	29	Sajjangarh Biological Park.		
Tamil Nadu	Chennai	30	Arignar Anna Zoological Park	P. Manikandaprabhu, Asst. Dir., Dr. H. Dileep Kumar, Dy. Dir.	9487684072, 7019491974
		31	Childrens Park, Guindy		
Telangana	Hyderabad	32	Nehru Zoological Park.		
Uttar Pradesh	Kanpur	33	Kanpur Zoological Park	Naved Ikram	9927198318

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	Lucknow	34	Nawab Wazid Ali Shah Zoological Garden.	Shri Dinesh Kumar Badola, Range Officer	9453437344, 8005493611
	Gorakhpur	35	Shaheed Ashfaq Ullah Khan Prani Udyan Gorakhpur	Gaurav Verma, Range Forest Officer	9560886061
	Noida	36	Botanical Garden of Indian Republic	-	-
Uttarakhand	Dehradun	37	Dehradun Mini Zoo (Malasi Deer Park)	Neeraj Kumar (Director), Dr. Pradeep Mishra (Veterinary Officer)	9412439213, 8057832646
West Bengal	Kolkata	38	(i) Alipore Zoological Garden.		
		39	(ii) Harinalaya at Eco Park (Nature Park at Taratola Road).	Vivek Ojha (Range Officer)	9681240757, 6294967024
	Howrah	40	Gar Chumuk (Ulughata) Deer Park.		
		41	Acharya Jagdish Chandra Bose India Botanical Garden	-	-

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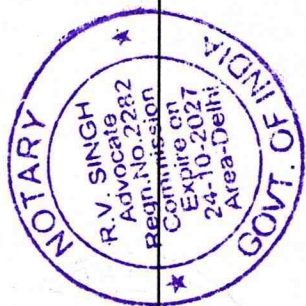


## Annexure VI

### Role of Manpower

The Project Coordinator will work in an office environment, coordinating with various teams to manage the deployment and maintenance of electric bicycles. This position requires strong organizational skills, effective communication, and knowledge about electric bicycles.

Role	Minimum Qualifications	Experience	Key responsibilities	Preferred
Project Coordinator (2 Nos.)	Graduate	Minimum 2 years of experience in project coordination preferably in E-Mobility	<p>Operational Management</p> <ul style="list-style-type: none"> <li>Oversee the deployment and maintenance schedules of electric bicycles across multiple locations in India.</li> <li>Collaborate with logistics teams to ensure timely delivery and availability of bicycles.</li> <li>Monitor inventory levels of bicycles and spare parts, coordinating with suppliers as necessary.</li> </ul> <p>Customer Support and Engagement</p> <ul style="list-style-type: none"> <li>Serve as a point of contact for customers using electric bicycles, addressing inquiries and resolving issues.</li> <li>Implement feedback mechanisms to gather customer insights and improve service delivery.</li> </ul> <p>Data Analysis and</p>	<ul style="list-style-type: none"> <li>Strong organizational skills with the ability to manage multiple projects simultaneously.</li> <li>Excellent verbal and written communication skills for effective stakeholder engagement.</li> <li>Proficiency in using Microsoft Word, Excel and PPT</li> <li>Experience in Govt./ PSU departments</li> </ul>



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			<p>Reporting</p> <p>Collect, analyze and report data related to bicycle usage, maintenance needs, and customer satisfaction.</p> <ul style="list-style-type: none"> <li>• Prepare regular reports for management on operational performance, including metrics on bicycle uptime and service response times.</li> <li>• Utilize data to identify trends and recommend improvements in operations.</li> </ul> <p>Team Coordination</p> <ul style="list-style-type: none"> <li>• Work closely with maintenance teams to ensure all bicycles are serviced regularly and meet safety standards.</li> <li>• Coordinate with marketing teams to promote the electric bicycle program through various channels.</li> <li>• Facilitate communication between different departments (CZA/ MoEFCC and CESL) to enhance collaboration and efficiency</li> </ul>	
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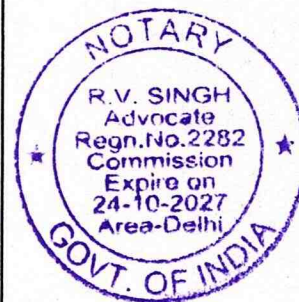
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			<p>and customer satisfaction.</p> <ul style="list-style-type: none"> <li>• Prepare regular reports for management on operational performance, including metrics on bicycle uptime and service response times.</li> <li>• Utilize data to identify trends and recommend improvements in operations.</li> </ul> <p>Team Coordination</p> <ul style="list-style-type: none"> <li>• Work closely with maintenance teams to ensure all bicycles are serviced regularly and meet safety standards.</li> <li>• Coordinate with marketing teams to promote the electric bicycle program through various channels.</li> <li>• Facilitate communication between different departments (CZA/ MoEFCC and CESL) to enhance collaboration and efficiency</li> </ul>	
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**ATTESTED**

Notary Public Delhi

22 AUG 2025

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