



Notice Inviting e-Tender

**West Bengal Medical Services Corporation Limited
SwasthyaSathi, GN-29, Salt Lake, Sector-V Kolkata-
700091**

Phone No (033) 40340308/319
E mail: procurement@wbmsc.gov.in

SERVICES RELATED TO AERIAL SPRAY OF LARVICIDES USING DRONE TECHNOLOGY

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-115/2020

Dated –23.07.2020

1. West Bengal Medical Services Corporation Limited (WBMSCL) has been requested by Government of West Bengal to procure Services related to Aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology.
2. WBMSCL hereby invites bids from eligible and qualified Tenderers for providing the Services as per Schedule of Requirement.
3. Intending Tenderer may download the tender document from the e-tender portal of Govt. of West Bengal at wbtenders.gov.in and the website of WBMSCL at www.wbmsc.gov.in. The submission of bids should only be through online at wbtenders.gov.in. Earnest money to be drawn in favour of 'West Bengal Medical Services Corporation Limited' through online, issued from any scheduled bank payable at Kolkata.
4. Non statutory documents, Bid – A, Bid – B & Bid – C are to be submitted concurrently.

**Sd./-
Managing Director**

Table for Important Dates

Sl.	Items	Date(s)
1.	Date of uploading of N.I.T. Documents (online) / Date of Issue / Published on	23.07.2020
2.	Documents download start date (Online)	24.07.2020
3.	Date of Pre-Bid Meeting with the intending Tenderers in the Conference Hall of West Bengal Medical Services Corporation Limited	28.07.2020 at 11.30 am To join through Google Meet, please use the link below : https://meet.google.com/wzv-endf-kno
4.	Bid submission start date (On line)	05.08.2020
5.	<p>Bid submission closing (On line) Bid submission includes: i) Non statutory documents to be submitted under <u>My Space</u> (Each sub-category item should be in multiple page single PDF file) ii) BID – A (Should be in multiple page single PDF file) iii) BID – B (Should be in multiple page single PDF file) iv) BID – C (BOQ and the Statement of Breakup of Duties and Taxes & Prices of consumables, spares etc.)</p> <p>Detailed list of documents annexed at Section V Check-List Form</p> <p>Non-statutory document (document uploaded in <u>My Space</u>), Bid – A & Bid – B constitute the technical bid and Bid – C is the financial bid.</p> <p><i>Any wrong or misleading information provided by the Tenderer during submission of bids shall lead to summary cancellation of bid and may lead to blacklisting in WBMSCL for at least 5 years.</i></p> <p>Each scanned document should have an index page indicating the name of the documents enclosed with page number.</p>	14.08.2020 at 04:00 PM
6.	<p>Last date of submission of all hard copies of the documents uploaded in e-tender during bid submission except BOQ at the registered office of WBMSCL in two separate envelopes,</p> <p>i) In one envelope: Earnest Money Deposit</p> <p>ii) In the other envelope: The hard copies of the uploaded documents (except BOQ) arranged in the same sequence as given in the Check List and copy of acknowledgement generated by e-tender portal against the documents uploaded during bid submission. All the documents should be appropriately flagged.</p>	17.08.2020 up to 02:00 PM
7.	Bid opening date for Technical Proposals (Online) (Bid A & B)	17.08.2020 after 02:00 PM
8.	Bidders to remain present at WBMSCL office, Kolkata for identification of the documents for the technical bid evaluation	To be notified later

9.	Functional demonstration of the services	To be notified later
10.	Submission of non-statutory wanting document (if any)	To be notified later
11.	Opening of Financial Bid (Online)	To be notified later

Section I: Instructions to Tenderers

A. Important information at a glance

(The item suffixed by “E” in bracket indicates Eligibility Criteria for a bidder)

1. Tender Schedule Details

SCHEDULE	Scope
SCHEDULE – I	Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology (UAV)
SCHEDULE – II	Services related to setting up of the IOT and AI platform to capture relevant data & for providing mosquito data analytics

2. Tender Fees: Exempted

3. Earnest Money Deposit (EMD) (E)

SCHEDULE	ITEM	AMOUNT IN INR	INSTRUMENT
SCHEDULE-I	Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology (UAV)	5,00,000.00	Online
SCHEDULE – II	Services related to setting up of the IOT and AI platform to capture relevant data &for providing mosquito data analytics		

4. Annual Turnover requirements: (E)

The agency should have annual turnover of minimum **Rs. 30 crore** on an average of two financial years (2017-18, 2018-19) as per the Audited Accounts of the Organization.

5. (a) Time for Provision of services from the date of issuance of Award of Contract/ Work Orders

SCHEDULE	ITEM	Time
SCHEDULE-I	Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology (UAV)	30 days
SCHEDULE – II	Services related to setting up of the IOT and AI platform to capture relevant data &for providing mosquito data analytics	30 days

5 (b) Payment Terms

I. General Terms

- (i) WBMSCL may like to get the Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology in batches/ phases within a period of One year from the date of award of contract, against separate Work Orders.
- (ii) The rates in the contract will be valid for Two years from the date of award of contract.
- (iii) The Tenderers should only quote in INR.

II. Payment terms

- A. 80 % of the Price of Services (inclusive of the goods required for providing the services) against a specific batch/ phase/ Work Order along with applicable GST shall be paid after furnishing of Consignee Acceptance Certificate as per Format 3a.
- B. Remaining 20% of the Price of Services along with applicable GST shall be paid after furnishing of Satisfactory Completion Certificate as per Format 3b. The Satisfactory Service Provision Certificate shall be signed after joint certification by authorised official(s) from WBMSCL and the facility/ end user representative.

Note:

Submission of required Performance Bank Guarantee and signing of Agreement are mandatory for the processing of any Payment.

Basic Price of Services(s) Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology (UAV) AND Services related to setting up of the IOT and AI platform to capture relevant data & for providing mosquito data analytics. Basic price would include cost of goods, larvicides, operations services, accessories & ancillaries, freight charges, manpower charges and any other applicable charges excluding GST during the contract duration of One year. Applicable GST will be paid extra.

6. Performance Security (PS)

(In the form of unconditional and irrevocable Bank Guarantee)

1. 10 % of total bid value.

7. Who can bid(E)

1. Manufacturing Company or its subsidiary in India providing drone technology services for aerial spray of larvicide including IOT based mosquito data analytics platform
- OR
2. Manufacturer's Authorized Distributor /Dealer providing drone technology services for aerial spray of larvicide including IOT based mosquito data analytics platform
- OR
3. Independent Drone Technology Services Provider capable of providing drone technology services for aerial spray of larvicide including IOT based mosquito data analytics platform

All the categories of the bidders should agree to remain responsible for providing Comprehensive

Maintenance Services (including all spares) and consumables during service warranty.

Collaboration/ Consortium amongst a Drone Technology Services Provider and a Manufacturing Company or its subsidiary in India or Manufacturer's Authorized Distributor/ Dealer is allowed.

8. Service Up time in Warranty

Working condition of drone for a minimum period of 354 days out of a period of 365 days. (i.e. 97% uptime)

The response time to any drone related service call should be not more than 6 hrs after call is logged. Call Log by E-mail/Fax. Time for rectification should not be more than 48 hours.

Maximum Downtime allowed without penalty: 72 hours. In case equipment is not useable beyond the stipulated maximum down time the supplier will be required to install alternative equipment for providing uninterrupted service.

Penalty beyond 72 hours downtime & if standby unit is not provided:

Schedule I – Rs. 800 per 24 hours per machine

Schedule II – Rs 200 per 24 hours per machine

9. Liquidated damages for Delayed setting up of Services

The percentage of 0.5% of the Invoice price for each week or part thereof, of delay until actual delivery or performance, up to a maximum deduction of 5% of the Invoice price.

10. Experience and Technical Capacity (E)

Bidder must have carried out Drone related aerial spray of Larvicides (Kg/Ha)/ related services for Vector Borne Diseases in India during the last 3 (three) Financial Years (FY) and, including capability to provide IOT based mosquito data analytics platform

11. Preference for S.S.I. units registered in West Bengal & PSUs in West Bengal:

Preference will be given to the S.S.I. units registered in West Bengal & PSUs in West Bengal and State Based Other Manufacturers as per West Bengal Financial Rule incorporated under notification No. 10500-F dated 19.11.04 as amended hereafter.

Exemption from payment of earnest money for tenders, payment of security deposits, if selected and price preference for S.S.I. units registered in West Bengal & PSUs in West Bengal will be given as per West Bengal Financial Rule incorporated under Finance Department notification No. 10500-F, dated 19.11.2004 read with its amendments.

Bidders should upload valid registration certificate / document issued by Government authority in support, if aforesaid exemption has been applied for. Any bid without EMD is liable to be cancelled, if requisite document in support of availing such exemption(s) is not submitted.

Note1: Warranty includes the services (including all materials, equipments, accessories, ancillaries as given in the Technical specification of the scope of services)

Note2: The Tenderers, who have downloaded the bid documents, shall be solely responsible for checking these websites for any amendment, addendum issued subsequently to the bid document and takes into consideration the same while preparing and submitting the bids.

Bids will be opened in the presence of Tenderers' representative who chooses to attend on the specified date and time. However, opening of bids will not be stopped for absence of any bidder or his authorized representative at the notified time.

Note 3: Service/ Support Centres

Preferably in three locations at Kolkata, Siliguri and Durgapur

Note 4: In case extension required, Bank Guarantees are to be renewed prior to 30 days of their expiry.

12. General Instructions

- a. Bidders are requested to study the tender document, terms & conditions carefully before submitting their bids. Submission of tender shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications.
- b. Tender documents should be downloaded from the E-tender portal of Govt. of West Bengal at wbtenders.gov.in and the website of WBMSCL at www.wbmssc.gov.in. The submission of bids should only be through online at wbtenders.gov.in.
- c. All pages of the bid submitted must be signed and sequentially numbered by the Bidder. All information in the offer must be in English. Information in any other language must be translated to English. Failure to comply with this may render the offer liable to be rejected. In the event of any discrepancy between the offer in a language other than English and its English translation, the English translation will prevail.

B. General

13. Scope of Bid

- 13.1 The type of goods and related services to be purchased is: Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology including IOT based mosquito data analytics platforms per the Schedule of Requirements.

14. Source of Funds

- 14.1 Funds received from the **Department of H & FW**, for the procurement of Medical Equipments on behalf of the **Department of H & FW**.

15. Fraud and Corruption

- 15.1 It is WBMSCL policy to require that Tenderers, suppliers and contractors and their subcontractors under WBMSCL contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, WBMSCL:
- (a) Defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) Bribery is the act of unduly offering, giving, receiving or soliciting anything of value to influence the process of procuring goods or services, or executing contracts;
 - (ii) Extortion or coercion is the act of attempting to influence the process of procuring goods or services, or executing contracts by means of threat of injury to person, property or reputation;
 - (iii) Fraud is the misrepresentation of information or facts for the purpose of influencing the process of procuring goods or services, or executing the contracts, to the detriment of WBMSCL or other participants;
 - (iv) Collusion is the agreement between Tenderers designed to result in bids at artificial prices that are not competitive.
 - (b) Will reject a proposal to award a contract if it determines that a vendor recommended for award has engaged in corrupt practices in competing for the contract in question;
 - (c) Will declare a vendor ineligible, either indefinitely or for a stated period of time, to become a WBMSCL registered Vendor if it at any time determines that the vendor has engaged in corrupt practices in competing for or in executing a WBMSCL contract;
 - (d) Will cancel or terminate a contract if it determines that a vendor has engaged in corrupt practices in competing for or in executing a WBMSCL contract;
 - (e) Will normally requires a WBMSCL vendor to allow WBMSCL, or any person that WBMSCL may designate, to inspect or carry out audits of the vendor's accounting records and financial statements in connection with the contract.
- 15.2 Any vendor participating in WBMSCL's procurement activities, shall facilitate to WBMSCL personnel upon first request, all documents, records and other elements needed by WBMSCL to investigate the allegations of misconduct by either vendors or any other party to the procurement activities. The absence of such cooperation may be sufficient grounds for the debarment of the vendor from WBMSCL vendor roster and may lead to suspension following review by WBMSCL Vendor Review Committee.
- 15.3 It is required that Vendors, their subsidiaries, agents, intermediaries and principals cooperate with WBMSCL Internal Audit Group as well as with other investigations authorized by WBMSCL or by the Government of West Bengal or the Central Government as and when required. Such cooperation shall include, but not be limited to, the following: access to all employees, representatives, agents and assignees of the vendor; as well as production of all documents requested, including financial records. Failure to fully cooperate with investigations will be considered sufficient grounds to allow WBMSCL to

repudiate and terminate the contract and to debar and remove the supplier from WBMSCL's list of registered vendors.

16. Eligible Tenderers

- 16.1 A Tenderer and all parties constituting the Tenderer may have the nationality of any country.
- 16.2 A Tenderer shall not have a conflict of interest. All Tenderers found to have conflict of interest shall be disqualified. Tenderers may be considered to have a conflict of interest with one or more parties in this bidding process, if they:
- i) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by WBMSCL to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the Goods to be purchased under these Bidding Documents ; or
- 16.3 A Tenderer that is under a declaration of ineligibility by WBMSCL in accordance with Instructions to Tenderers at the date of contract award, shall be disqualified. Tenderers shall not be eligible to submit a bid when at the time of bid submission:
- Suppliers are already suspended by WBMSCL; or,
 - Suppliers are suspended by the Government of West Bengal or Central Government or any other State Government or WBMSCL,
 - Suppliers have been declared ineligible by Government of West Bengal or Central Government or any other State Government or WBMSCL.

17. Eligible goods and related services

- 17.1 All the goods and related services to be supplied under the Contract may have their origin in any country.
- 17.2 For purposes of this Clause, the term "origin" means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

C. Contents of Bidding Documents

18. Sections of Bidding Documents

18.1 The Bidding Documents consist of:

- Section I. Instructions to Tenderers
- Section II. General Conditions for Goods (GCG)
- Section III. Special Conditions of Contract (SCC)
- Section IV. Schedule of Requirements
- Section V. Bidding Forms
- Section VI. Contract Forms

18.2 The Tenderer is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

18.3 Tenderers are cautioned to read the specifications carefully (see Section IV - Schedule of Requirements), as there may be special requirements. The technical specifications presented herein are not to be construed as defining a particular manufacturer's product. Tenderers are encouraged to advise WBMSCL, if they disagree.

18.4 The specifications are the minimum requirements for the products. Products offered must meet or exceed requirements mentioned in technical specifications. The products shall conform in strength, quality and workmanship to the accepted standards of the relevant industry. Modifications of or additions to basic standard products of less size or capability to meet these requirements will not be acceptable.

19. Clarification of Bid Document

19.1 A prospective Tenderer requiring any clarification of the Bidding Documents shall contact WBMSCL in writing at procurement@wbmsc.gov.in

20. Amendment of Bid Document

20.1 At any time prior to the deadline for submission of bids, WBMSCL may amend the Bid Document by issuing amendment to be uploaded in the e-tender portal & website of WBMSCL.

20.2 To give prospective Tenderers reasonable time in which to take an amendment into account in preparing their bids, WBMSCL may, at its discretion, extend the deadline for the submission of bids.

D. Preparation of Bids

21. Tenderers are to prepare and submit the following:
- i) Non statutory documents to be submitted under My Space
 - ii) BID – A (Should be in multiple page single PDF file)
 - iii) BID – B (Should be in multiple page single PDF file)
 - iv) BID – C (BOQ and Cost of Consumables & Spares)

Details are given in “Submission and Opening of Bids”

22. **Cost of Bidding**

The Tenderer shall bear all costs associated with the preparation and submission of its bid.

23. **Language of Bid**

The Bid, as well as all correspondence and documents relating to the bid exchanged by the Tenderer and WBMSCL, shall be written in the English language. Supporting documents and printed literature that are part of the Bid, if submitted in any other language provided they are accompanied by an accurate translation of the relevant passages into English and duly authenticated.

24. **Alternative Bids**

Alternative Bids will not be accepted.

25. **Bid Prices**

- 25.1 The prices in the BOQ shall conform to the requirements as specified in the tender.
- 25.2 The Incoterms shall be governed by the rules prescribed in the Incoterms 2010, published by The International Chamber of Commerce.
- 25.3 Prices quoted by the Tenderer shall be fixed during the Tenderer’s performance of the Contract and not subject to variation on any account.

26. **Currencies of Bid**

The Tenderer shall quote in INR only.

27. **Documents Establishing the Conformity of the Goods and Related Services**

To establish the conformity of the goods and related services to the Bidding Documents, the Tenderer shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, Schedule of Requirements.

28. **Documents Establishing the Qualifications of the Tenderer** As per Form 2: Check-List of Section V of the bid document.

29. **Period of validity of Bids**

- 29.1 Bids shall remain valid for a period of **180** days from last date of online submission of bid. A bid valid for a shorter period than specified in previous lines shall be rejected by WBMSCL as non-responsive.

- 29.2 In exceptional circumstances, prior to the expiration of the bid validity period, WBMSCL may request Tenderer to extend the period of validity of their bids and EMD. In the event of the request for such extension beyond bid validity period, the bidder may or may not accept such request. In case, the bidder refuses to accept the request, the EMD of the bidder shall not be forfeited.
- 30. Period of validity of the bid price:**
The bid price shall remain valid for a period of **2 (two)** year from the date of signing of the contract.
- 31. Earnest Money Deposit (EMD):**
- 31.1 The EMD shall be paid online (as indicated against each item), in favour of “**West Bengal Medical Services Corporation Limited**”,GN-29, Swasthya Bhawan, Sec-V, Salt Lake, Kolkata- 700091 in the amount as provided in the **Schedule of Requirements** anddenominated in INR.
- 31.2 **Any bid not accompanied by a substantially responsive EMD in accordance with Instructions to Tenderers shall be rejected by WBMSCL as non-responsive.**
- 31.3 The EMD of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer’s furnishing of the Performance Security pursuant to Instructions to Tenderers
- 31.4 The EMD may be forfeited:
- (a) if a Tenderer withdraws its bid during the period of bid validity specified by the Tenderer on the Bid Submission Form, except as provided in Instructions to Tenderers; or
 - (b) if the successful Tenderer fails to:
 - (i) sign the Contract in accordance with Instructions to Tenderers;
 - (ii) furnish a Performance Security in accordance with Instructions to Tenderers;
- 32. Signing of Bid** – The bid document should be digitally signed and uploaded on the E-tender portal.
- 33. Withdrawal, Substitution and Modification of Bids**
- 33.1 The bid once submitted cannot be withdrawn but prior to the deadline prescribed for submission of bids, a Tenderer may substitute, or modify its Bid after it has been submitted.
- 33.2 The objective of this bid is to ensure supply of best quality equipment at the most competitive price. If at any stage of the bidding, including at the stage of financial evaluation, it appears that the tendered rate is artificially hiked or is much lower compared to the prevailing market price and available rates of similar or identical composition with the government, WBMSCL reserves the right to cancel the bids.
- 34. Confidentiality**
Any effort by a Tenderer to influence WBMSCL in the examination, evaluation, comparison of the bids or contract award decisions may result in the rejection of its Bid.
- Notwithstanding Instructions to Tenderers from the time of bid opening to the time of Contract Award, if any Tenderer wishes to contact WBMSCL on any matter related to the bidding process, it should do so in writing.

E. Submission and Opening of Bids

35. The following are to be submitted:

i) Non statutory documents to be submitted under My Document

(Each sub-category item should be in multiple page single PDF file)

Guidelines for uploading documents in My Document:

Sl. No.	Category Name	Sub - Category Name	Document Name
1	CERTIFICATES	CERTIFICATES	a) PAN Card b) GST registration Certificate with 15 – digit Goods and Services Taxpayer Identification Number (GSTIN)
2	COMPANY DETAILS	COMPANY DETAILS 1	a) License from Government/ Statutory Authority as applicable. OR b) Registration with Government Authority or Registrar of Companies, if applicable.
		COMPANY DETAILS 2	a) Manufacturing License, if applicable b) Current registration as State based SSI unit (if any)
3	CREDENTIAL	CREDENTIAL 1	Performance Statement Form (For the period of last three financial years) – Form 6 of Section V To attach: Documentary evidence (Client’s certificate) / Order Copy(Bio-larvicide only) along with proof of payment in support of execution of orders- from at least2 (two) State Government/Government Organizations/ Municipality/Gram Panchayat in the last 5 (five) financial years.
		CREDENTIAL 2	ISO certificate
		CREDENTIAL 3	Complete CIBRC document with Application & dosage mentioned for use under Public health prog. for both Clean & polluted water
		CREDENTIAL 4	NVDCP Approval with TAC Recommendation copy (For any changes in CIBRC document, TAC recommendation date should be post the updated CIBRC document)
4	DECLARATION	DECLARATION1	Income Tax returns for assessment year (2016-17 2017-18, 2018-19)
		DECLARATION 4	Tender Form as per Form 1
6	FINANCIAL INFO	P/L & BALANCE SHEET 2017-18 & 2018-19	P/L & Balance sheet 2017-18 & 2018-19

ii) Statutory Documents

(a) **BID – A** (Should be in multiple page single PDF file)

1. EMD (Copy of receipt of online submission of EMD)

(b) **BID – B** (Should be in multiple page single PDF file)

Non-statutory document (document uploaded in [My Space](#)), Bid – A & Bid – B constitute the technical bid

iii) **BID – C [Bill of Quantity (BOQ), the Statement of Breakup of Duties and Taxes and Cost of Consumables & Spares]**

BOQ shall contain the financial quotes in respect of **Basic Price of Services (BP)**

Base Price of Services (BP): Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology (UAV) AND Services related to setting up of the IOT and AI platform to capture relevant data & for providing mosquito data analytics. Basic price would include cost of goods, larvicides, operations services, accessories & ancillaries, freight charges, manpower charges and any other applicable charges excluding GST during the contract duration of One year. Applicable GST will be paid extra.

Detailed list of documents annexed at Form 2 Check-List Form, Section V

N.B.

- a) Any wrong or misleading information provided by the Tenderer during submission of bids may lead to summary cancellation of bid, blacklisting in WBMSCL for at least 5 years and forfeiture of EMD.
- b) Each scanned document should have an index page indicating the name of the documents enclosed with Page no.
- c) The Earnest Money will be refunded within 15 days after finalization of the tender and/ or submission of Performance Bank Guarantee.

F. Evaluation and Comparison of Bids

36. Evaluation of Bids

(A) Technical Evaluation

During the tender evaluation process **Non-statutory document** (document uploaded in My Space), **Bid – A & Bid – B** constituting the technical bid will be opened first and evaluated. The determination of Technical qualification status of a bidder will be based on the following:

- i) **Scrutiny of Form 1 (NIT Acceptance Form) duly notarized**
- ii) **Scrutiny of documentary evidence as per Form 2: Check-list, Section V of Bid document submitted by the Tenderers**
- iii) **Evaluation of Spec indicator**

Evaluation & Comparison

- Drone Technology/ Platform offered
- Briefing of the item /Bio Larvicide offered for **(Self-Declaration)** with Technical Data Sheet
- Comparative Data Table of the Technical Specifications (Form No. 3 of Section V) set of Brochures of the offered product / Larvicide.
- CIB registration certificate of offered product(s)
- Average Annual Turnover in INR of the Company in medical item / drug division during the last 2 Financial Years 2017-18& 2018-19 to be certified by practicing Chartered Accountant
- Past performance in executing similar services

Bidders will have to arrange for a functional demonstration of the offered equipment on the notified date. The evaluation of the spec indicator will be made based on the reports of the functional demonstration of the equipments. The functional demonstration (i.e. onsite/offsite) of the equipment is purely at the discretion of the Technical Bid Evaluation Committee and its input shall be treated as only corroborative in nature and will not be a substitute for technical evaluation of the document submitted along with the bid. The decision of the Technical Committee in this regard will be final. Functional demonstration of the offered model will be held at Kolkata only.

Bidder has to comply with all Essential parameters of the technical specifications except deviation(s) which will be considered minor and acceptable by the team of experts to be engaged by WBMSCL to take working / functional demonstration of the offered equipments. Authorised signatory of the bidder should sign on the compliance sheet at the time of demonstration.

A bidder will be considered technically qualified if complied with i) & ii) and qualified in iii) above

B. Financial Evaluation

Financial Bids (Bid - C) of the technically qualified Bidders would only be opened. **Comparison of Financial Bids would be based on the quoted Basic Price in BOQ as mentioned in “Submission and Opening of Bids” quoted by the tenderers.**

THE DECISION OF THE WBMSCL AUTHORITY WILL BE FINAL AND BINDING IN THIS MATTER.

37. Responsiveness of Bids

- 37.1 WBMSCL’s determination of a bid’s responsiveness is to be based on the contents of the bid itself.
- 37.2 A substantially responsive Bid is one that conforms to all the terms, conditions and specifications of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) Affects in any substantial way the scope, quality, or performance of the goods and related services specified in the Contract; or
 - (b) Limits in any substantial way, inconsistent with the Bidding Documents, **WBMSCL’s** rights or the Tenderer’s obligations under the Contract; or
 - (c) If rectified would unfairly affect the competitive position of other Tenderers presenting substantially responsive bids.

WBMSCL considers material deviation to include but not to be limited to the following situations:

- (d) During technical evaluation of bids (verification of formal criteria):
 - Lack of proper bid securities in terms of change in the wording (not consistent with the prescribed format), amount or validity period.
 - Absence of bid form, change in the wording (not consistent with the prescribed format) or lack of signature in the key portions of the bid form,
 - The Tenderer does not accept important Contract conditions, i.e. related to Performance Security, Warranty, Force Majeure, Applicable Law, Delivery Schedule, Payment Terms, Limitation of Liability, etc.
 - Specifications of the item quoted vary in one or more significant respect(s) from the minimum required Technical Specifications.
- 37.3 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by WBMSCL

38. Examination of Terms and Conditions and Technical Evaluation

- 38.1 WBMSCL shall examine the Bid to confirm that it does not contain material deviation or reservation related to the conditions and requirements specified in the GCC of Section II, SCC of Section III and in the Schedule of Requirements of Section IV.
- 38.2 If, after the examination of the terms and conditions and the technical evaluation, WBMSCL determines that the Bid is not substantially responsive in accordance with Instructions to Tenderers, it shall reject the Bid.

39. Domestic Preference

Companies based and manufacturing in India shall not be a factor in bid evaluation.

40. Financial evaluation

The financial bids of only those bidders who qualify in the technical bids will be opened.

41. WBMSCL’s Right to Accept Any Bid and to Reject Any or All Bids

WBMSCL reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Tenderers.

G. Award of Contract

42. Award Criteria

- 42.1 In the event of a Contract award, WBMSCL shall award the Contract to the Tenderer whose offer has been determined to be the lowest evaluated bid substantially responsive to the Bidding Documents, provided further that the Tenderer is determined to be qualified to perform the Contract satisfactorily.
- 42.2 Before the award of Contract, WBMSCL may inspect the manufacturing facilities of the lowest evaluated responsive Tenderer to assess his capability to successfully perform the Contract as per the terms and conditions specified in the NIT.

43. WBMSCL's right to vary quantities

- 43.1 WBMSCL reserves the right to increase or decrease the quantity of goods and related services originally specified in Section IV, Schedule of Requirements, provided this does not exceed 40% (Forty percent) above or 40% (Forty percent) below the original required quantity and without any change in the unit prices or other terms and conditions of the Bid Documents.

44. Publication of Award of Contract

- 44.1 WBMSCL shall publish the Award of Contract in e-tender portal and its website

45. Signing of Contract

- 45.1 Prior to the expiry of the period of bid validity, WBMSCL shall issue Award of Contract (AOC). The draft agreement will be sent to the successful Tenderer along with the AOC and Special Conditions for Goods, if any.
- 45.2 Within 14 (*fourteen*) days of receipt of the AOC, the successful Tenderer shall sign and return the agreement to WBMSCL along with the required value of Performance Security in full or in parts in the event of a staggered supply as decided by WBMSCL

46. Performance Security

- 46.1 Within 14 days of receipt of the AOC from WBMSCL, the successful Tenderer, if required, shall furnish the Performance Security in full or in parts in the event of a staggered supply as decided by WBMSCL in accordance with the GCC, using for that purpose the Performance Security Form included in Section VI, Contract forms, or another Form acceptable to WBMSCL. WBMSCL shall promptly discharge the Bid Securities of the unsuccessful Tenderers pursuant to Instructions to Tenderers.
- 46.2 Failure of the successful Tenderer to submit the above-mentioned Performance Security in full or in parts in the event of a staggered supply as decided by WBMSCL and sign the agreement within 14 (fourteen) days of issue of AOC shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD.

Note: - Working demonstration of all the offered goods within India shall be required to be arranged by the Tenderer before the Bid Evaluation Committee for technical evaluation, as and when requested to do so by the Technical Bid Evaluation Committee prior to the opening of the financial bids. The cost incurred for the tour of the members of technical bid evaluation will be entirely borne by WBMSCL. Choosing of site for onsite physical demonstration from the list of installations submitted by a bidder / the institutes who have issued satisfactory certificate to the bidder shall be on the discretion of WBMSCL.

Section II. General Conditions of Contract

In the event of an order and any dispute arising out of the same, the FIRST PARTY General Conditions of Contract will apply as under and all references to the General Conditions of Contract include (subject to all relevant approvals) a reference to these terms and conditions as amended, supplemented, substituted, novated or assigned from time to time. Each schedule and annexure referred to in these terms and conditions shall form part of these terms and conditions. The documents forming the supply contract shall be construed and interpreted so that, in the event there is any conflict or ambiguity between them, these terms and conditions shall prevail.

1.

APPLICATION AND LEGAL STATUS OF THE PARTIES:

The General Conditions Of Contract incorporated in section –II shall be applicable for the purchase and supply of **Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology** and to the extent the same are not superseded by the Special Conditions Of Contract prescribed under section III, section IV or Schedule of Requirement of this document.

WBMSCL and VENDOR shall respectively be referred to as “FIRST PARTY” & “SECOND PARTY” hereunder and each party acknowledges and agrees that:

1.1

Nothing contained in or relating to the contract shall be construed as establishing or creating between the Parties the relationship of employer and employee or of principal and agent. The officials, representatives, employees, or subcontractors of each of the Parties shall not be considered in any respect as being the employees or agents of the other Party and each Party shall be solely responsible for all claims arising out of or relating to its engagement of such persons or entities.

2.

DEFINITIONS:

GOODS: Goods are hereinafter deemed to include, without limitation, such medicines, raw materials, components, intermediate products and products which the Tenderer is required to supply pursuant to the Purchase Order or Special Conditions of this Contract to which these General Conditions are attached. Services are hereinafter deemed to include services ancillary to the supply of the Goods including, without limitation transportation and supply at the point of consignee and such other obligations as required under this Contract.

2.2 **TRADE TERMS:** Whenever an Inco term is used in this Contract it shall be interpreted in accordance with the Incoterms 2010 and as the same has been judicially interpreted in India.

3.

CONTRACT PRICE;

Prices charged by the Tenderer for the Goods supplied and the related services performed under the Contract shall not vary from the prices quoted by the Tenderer in its bid, with the exception of any price adjustment authorized in writing by FIRST PARTY.

4.

PACKAGING OF THE GOODS:

4.1 The SECOND PARTY shall package the Goods for delivery with the best materials that are adequate to safeguard the Goods while in transit and with all due care and according to the highest standards of export packaging for the type and quantities of

the Goods. The Goods shall be packed and marked in a proper manner in accordance with the instructions stipulated in the Contract or, otherwise, as customarily done in the trade and in accordance with any requirements imposed by applicable law or by the transporters and manufacturers of the Goods. The packing, in particular, shall mark the Contract or Purchase Order number and any other identification information provided by FIRST PARTY as well as such other information as is customary for the Goods in question. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt, precipitation and open storage. The SECOND PARTY shall have no right to any return of the packing materials.

5. **TRANSPORTATION AND FREIGHT:**

Unless otherwise specified in the Contract (including in any INCOTERM 2010) the SECOND PARTY shall be solely liable for making all transport arrangements and for payment of freight and insurance costs for the shipment and delivery of the Goods in accordance with the requirements of the Contract and as defined in table 5. **(b) Payment Terms of Section I: Instructions to Tenderers, under sub-section A. Important information at a glance.**

6. **DELIVERY OF GOODS:**

The SECOND PARTY shall hand over or make available the goods and the Consignees shall receive the goods (as per detail annexed in Section IV), at the place for the delivery of the Goods and within the time for delivery of the Goods specified as **per table 5 (a) Date of supplies & commissioning at Section I: Instructions to Tenderers under sub-section A. Important information at a glance**, in the Contract. All manuals, instructions, displays and any other information relevant to the Goods shall be in the English language unless otherwise specified in the Contract. Unless specifically stated in the Contract (including in any INCOTERM 2010) the entire risk of loss, theft, damage to, or destruction of the Goods shall be borne as defined in **table 5. (b) Payment Terms of Section I: Instructions to Tenderers, under sub-section A. Important information at a glance.**

7. **INSPECTION OF THE GOODS:**

7.1 All goods may be subjected to inspection and testing by FIRST PARTY or its designated representatives at all times and places including the period of manufacture and in any event prior to final acceptance by FIRST PARTY.

7.2 Neither the carrying out of any inspections of the Goods nor any failure to undertake any such inspections shall relieve the SECOND PARTY of any of its warranties or the performance of any obligations under the Contract.

7.3 **For goods supplied from within or outside India.**

a) For goods supplied from within or outside India, Purchaser retains the right to perform pre-shipment inspection at the manufacturer's premises and an independent quality control laboratory testing **at its own cost.**

- b) The Purchaser will retain the right to perform further inspections and quality testing at any time till the satisfactory installation of Goods, as it deems fit, **at its own cost.**
- 7.4 Should any inspected or tested goods fail to conform to the specifications, the purchaser shall reject them and the supplier shall replace the rejected goods free of cost to the purchaser, within a period of 30 (thirty) days of intimating such rejection.

8. ACCEPTANCE OF GOODS:

Under no circumstances shall FIRST PARTY be required to accept any goods that do not conform to the specifications of or requirements of the Contract. FIRST PARTY may condition acceptance of the goods upon the successful completion of acceptance tests, as may be specified in the Contract or otherwise agreed in writing by the Parties. In no case shall FIRST PARTY be obligated to accept any goods unless and until FIRST PARTY has inspected the goods following commissioning of the goods in accordance with the requirements of the Contract. The goods shall be deemed to be accepted only after FIRST PARTY provides written acceptance.

9. REJECTION OF GOODS:

Notwithstanding any other rights of, or remedies available to, FIRST PARTY under the Contract, in case any of the goods is defective or otherwise does not conform to the specifications or other requirements of the Contract, FIRST PARTY may, at its sole option, reject or refuse to accept the goods and the SECOND PARTY agrees promptly to replace the goods with goods of equal or better quality.

10. TITLE:

Unless otherwise expressly provided in the Contract, title including the incidentals of the title and any legal or inchoate right and interest which may accrue in the said Goods shall pass from the SECOND PARTY to the FIRST PARTY upon delivery of the Goods and the acceptance of the same by the FIRST PARTY in accordance with the requirements of the Contract.

11. PERFORMANCE SECURITY:

- 11.1 Within 14 days of receipt of the AOC from WBMSCL, the successful Tenderer, if required, shall furnish the Performance Security in full or in parts in the event of a staggered supply as decided by WBMSCL as **per table 6, Performance Security (PS) at Section I: Instructions to Tenderers under sub-section A. Important information at a glance** for an amount of 10% of the Contract Price (bid value) in full or in parts, valid up to 60 days after the date of completion of all contractual obligations, till the last date of warranty obligations.
- 11.2 Banks issuing Performance Securities must be acceptable to the FIRST PARTY, i.e. they have to be scheduled commercial banks.
- 11.3 Discharge of the Performance Security shall take place upon expiry of the Performance Security or the completion of all contractual liabilities of the Supplier as per as per table 6, Performance Security (PS) at Section I: Instructions to Tenderers under sub-section A. Important information at a glance.

- 11.4 In the event of any amendment issued to the Contract, the Supplier shall, within 14 (fourteen) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary) rendering the same valid in all respects in terms of the Contract, as amended.

12. WARRANTIES:

12.1 Goods Warranties:

Without limitation of any other warranties stated in or arising under the Contract, the SECOND PARTY warrants and represents that:

- 12.1.1 The Goods, including all packaging and packing thereof, conform to the specifications of the Contract, are fit for the purposes for which such Goods are ordinarily used and for the purposes expressly made known in writing by FIRST PARTY to the SECOND PARTY and shall be of even quality, free from faults and defects in design, material, manufacture and workmanship under normal use in the conditions prevailing in the country of final destination;
- 12.1.2 If the SECOND PARTY is not the original manufacturer of the Goods, the SECOND PARTY shall provide FIRST PARTY with the benefit of all manufacturers' warranties in addition to any other warranties required to be provided hereunder;
- 12.1.3 The Goods are of the quality, quantity and description required by the Contract;
- 12.1.4 The Goods are free from any right of claim by any third-party and unencumbered by any title or other rights, including any liens or security interests and claims of infringement of any intellectual property rights, including, but not limited to, patents, copyright and trade secrets.
- 12.1.5 Unless otherwise indicated in the Technical Specifications, this warranty shall remain valid for 1 (One) year after the Goods have been commissioned at the final destination indicated in the Contract subject to issue of certificate regarding date of commissioning issued by the consignee.
- 12.1.6 During the warranty, free comprehensive annual maintenance and repairs services including testing and calibration, labour and spares shall be provided by the supplier during the period of warranty.
- 12.1.7 If the Supplier, having been notified, fails to remedy the defect(s) within the stipulated period, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 12.1.8 The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods and services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.
- 12.1.9 The supplier shall be responsible and shall indemnify on account of any emission or radiation that may cause harm to the user of the supplied product.
- 12.1.10 The supplier shall visit each installation site as recommended in the manufacturer's technical/ service operational manual and as mentioned in the bid document during the warranty / CMC period for preventive maintenance.

12.1.10 The Goods shall be new and unused. The SECOND PARTY shall remain responsive to the needs of FIRST PARTY for any services that may be required in connection with any of the SECOND PARTY's warranties under the Contract. All warranties will remain fully valid following any delivery of the Goods and for a period of not less than one (1) year following acceptance of the Goods by the Consignee in accordance with the Contract. During any period in which the SECOND PARTY's warranties are effective, upon notice by FIRST PARTY that the Goods do not conform to the requirements of the Contract, the SECOND PARTY shall replace the defective Goods with Goods of the same or better quality or fully reimburse FIRST PARTY for the purchase price paid for the defective Goods; and if having been notified by any means, the SECOND PARTY fails to replace the defective Goods within 30 days, FIRST PARTY may proceed to take

such remedial action as may be necessary, at the SECOND PARTY's risk and expense and without prejudice to any other rights which FIRST PARTY may have against the SECOND PARTY under the Contract. The reasonableness of the period of time granted for remedy is subject to the discretion of FIRST PARTY according to the circumstances of the Contract.

13. INDEMNIFICATION:

The SECOND PARTY shall indemnify, defend and hold the FIRST PARTY, the DoHFW and the Government agencies harmless against any or all proceedings, actions and third-party claims arising out of a breach by the SECOND PARTY of any of its obligations under this agreement.

This indemnity shall be limited in respect of making harmless to the FIRST PARTY, the DoHFW and the Government agencies.

The bidder shall indemnify the FIRST PARTY against all actions, suits, claims and demands brought or made against it, in respect of anything done or committed to be done by the SECOND PARTY in execution of or in connection with the work of this contract and against any loss or damage to the FIRST PARTY in consequence to any action or suit, or a legal proceeding, being brought against the bidder for anything done or committed to be done in the execution of this contract. The bidder will abide by the job safety measures prevalent in India and will free the FIRST PARTY from all demands or responsibilities arising from accidents or loss of life, on account of the bidder's negligence and responsibility. The bidder will pay all indemnities arising from such incidents without any extra cost to FIRST PARTY and will not hold the FIRST PARTY responsible or obligated. The FIRST PARTY may at its discretion and entirely at the cost of the bidder defend such suit, either jointly with the bidder or severally in case the latter chooses not to defend the case and /or proceeding.

14. LIQUIDATED DAMAGES:

Except under the circumstances of force majeure as described, if the SECOND PARTY fails to deliver any or all of the Goods by date(s) of delivery as per conditions of the contract, FIRST PARTY may, without prejudice to any or all its other remedies under the contract, deduct from the contract price, as per **table - 9 Liquidated damages for delayed delivery at Section I: Instructions to Tenderers under sub-section A. Important information at a glance**

15. BLACKLISTING:

Any manufacturer/ its subsidiary which is currently black-listed by any Government Department/ Government Agency in India, would not be eligible to participate in the tender.

16.

PENALTY FOR DEFAULT:

In case of failure by the Tenderer to perform according to this Contact, Warranty of all of the Goods, the Company may exercise one or several of the penal provisions as per table – 8, **Service Up time in Warranty at Section I: Instructions to Tenderers under subsection A. Important information at a glance.**

16.1

In addition to what has been stated above, the following penalties shall be imposed against offences mentioned against each:

Nature of offence	Penalty to be imposed
Any wrong or misleading information provided by the Tenderer during submission of bids	a. Forfeiture of EMD b. May lead to blacklisting in FIRST PARTY for at least 5 years
Non execution of agreement within 14 days of issue of AOC	a. Forfeiture of EMD b. Blacklisting for 5 years in FIRST PARTY c. Blacklisting to be circulated to all procurement agencies throughout the country
Supplying refurbished goods instead of new	a. Termination of Contract. b. Blacklisting for life. c. Blacklisting to be circulated to all procurement agencies throughout the country. d. Forfeiture of the Performance Bank Guarantee. Lodging FIR.
Breach of Agreement	a. Termination of Contract. b. Blacklisting for life c. Blacklisting to be circulated to all procurement agencies throughout the country. d. Forfeiture of the Performance Bank Guarantee e. Lodging FIR

17.

CHANGES IN QUANTITY:

FIRST PARTY may at any time by written instruction vary the general scope of this Contract by 40% (forty percent) above or 40% (Forty percent) below the original Contract quantity at the accepted terms & conditions. The price for the additional quantity will be as per the contracted price of this bid.

18.

TERMINATION FOR CONVENIENCE:

18.1

FIRST PARTY may, upon notice to the Tenderer, terminate this Contract, in whole or in part, at any time for its convenience. The notice of termination shall state that termination is for FIRST PARTY's convenience, the extent to which

performance of the SECOND PARTY under the Contract is terminated and the date upon which such termination becomes effective.

- 18.2 In the event of Termination for Convenience, no payment shall be due from FIRST PARTY to the Tenderer except for Goods satisfactorily delivered and for the cost of such necessary work as FIRST PARTY may request the Tenderer to complete.

19. TERMINATION FOR DEFAULT:

- 19.1 FIRST PARTY, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the SECOND PARTY, may terminate the Contract, in whole or in part if:

19.1.1 The SECOND PARTY fails to deliver any or all of the Goods within the period specified in the Contract:

19.1.2 The SECOND PARTY fails to perform any other obligation under the Contract;

19.1.3 The SECOND PARTY, in the judgment of FIRST PARTY, has engaged in fraud and corruption, in competing for or in executing the present Contract;

19.1.4 The SECOND PARTY attempts to offer any direct or indirect benefit arising from or related to the performance of the Contract or the award there of to any representative, official, employee or other agent of FIRST PARTY or any organization of Health & Family Welfare Department, Government of West Bengal;

19.1.5 The SECOND PARTY is adjudged bankrupt, or is liquidated, or becomes insolvent, applies for moratorium or stay on any payment or repayment obligations, or applies to be declared insolvent;

19.1.6 FIRST PARTY reasonably determines that the SECOND PARTY has become subject to a materially adverse change in its financial condition that threatens to endanger or otherwise substantially affect the ability of the SECOND PARTY to perform any of its obligations under the Contract.

19.1.7 Non-compliance of all statutory norms and applicable laws relating to the said contract will entitle FIRST PARTY to terminate the contract.

19.2 Upon occurrence of one or more of the events specified above, FIRST PARTY shall follow the procedure of issuing notice or show cause specifying the time frame and on being not satisfied with the explanation, be entitled to terminate the Contract immediately. The decision of FIRST PARTY shall be final and binding on the Tenderer.

20. CONSEQUENCES OF TERMINATION:

- 20.1 In the event of any termination of the Contract, upon receipt of notice of termination by FIRST PARTY, the SECOND PARTY shall, except as may be directed by FIRST PARTY in the notice of termination or otherwise in writing:

20.1.1 Take immediate steps to bring to a close in a prompt and orderly manner the performance of any obligations under the Contract, including, but not limited to, fulfilling any outstanding orders for Goods under the Contract and in doing so, reduce expenses to a minimum;

20.1.2 Place no further orders for Goods or other materials, except as FIRST PARTY and the SECOND PARTY agree in writing are necessary to fulfil any outstanding order or to complete any portion of the Contract that has not been terminated;

- 20.1.3 Transfer title and deliver to FIRST PARTY any Goods remaining to be delivered as stipulated in the notice of termination; and
- 20.1.4 Take any other action that may be necessary or that FIRST PARTY may direct in writing, for the protection and preservation of any property, whether tangible or intangible,
- related to the Contract that is in the possession of the SECOND PARTY and in which FIRST PARTY has or may be reasonably expected to acquire an interest.
- 20.2 In the event of any termination of the Contract, FIRST PARTY shall not be liable to pay the SECOND PARTY except for those Goods delivered to FIRST PARTY in accordance with the requirements of the Contract, but only if such Goods were ordered, requested or otherwise provided prior to the SECOND PARTY's receipt of notice of termination from FIRST PARTY.

21.

CONFIDENTIALITY:

- 21.1 FIRST PARTY and the SECOND PARTY, its agents, employees, sub-contractors and servants shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto, in connection with the Contract, whether such information has been furnished prior to, during or following competition or termination of the contract. Notwithstanding the above, the SECOND PARTY may furnish to its sub-contractor such documents, data and other information it received from FIRST PARTY to the extent required for the sub-contractor to perform its work under the contract, in which event the SECOND PARTY shall obtain from such sub-contractor an undertaking of confidentiality similar to that imposed on the SECOND PARTY.
- 21.2 FIRST PARTY shall not use such documents, data and other information received from the SECOND PARTY for any purpose unrelated to the contract. Similarly, the SECOND PARTY shall not use such documents, data and other information received from FIRST PARTY for any purpose other than the performance of the contract.
- 21.3 The obligation of a party under the two foregoing paragraphs shall not apply to information that:
- 21.3.1 Now or hereafter enters the public domains through no fault of that party;
- 21.3.2 Can be proven to have been possessed by that party at time of disclosure and which was not previously obtained, directly, from the other party, or
- 21.3.3 Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

22.

FORCE MAJEURE:

- 22.1 Force majeure as used herein means any unforeseeable and irresistible act of nature, any act of war (whether declared or not), invasion, revolution insurrection, flood earthquake or any other acts of a similar nature or force, provided that such acts arise from causes beyond the control and without the fault or negligence of the SECOND PARTY. The SECOND PARTY acknowledges and agrees that, with respect to any obligation under the contract that the SECOND PARTY must perform any delays or failure to perform such obligation arising from or relating to harsh conditions within such areas shall not, in and of itself, constitute Force majeure under the contract. Further the SECOND PARTY acknowledges and agrees that

scarcity of raw materials, power cut, workers unrest (even if wide spread) will not constitute force majeure under the contract.

- 22.2 In the event of and as soon as possible after the occurrence of any cause constituting Force majeure, the SECOND PARTY shall give notice and full particulars in writing to FIRST PARTY, of such occurrence or cause if the SECOND PARTY is thereby rendered unable, wholly or in part to perform its obligations and meet its responsibilities under the contract. The SECOND PARTY shall also notify FIRST PARTY of any other changes in condition or the occurrence of any event which interferes or threatens to interfere with its performance of the contract. Not more than fifteen (15) days following the provision of such notice Force majeure or other changes in conditions or occurrence, the SECOND PARTY shall also submit a statement to FIRST PARTY of estimated expenditure that will likely be incurred for the duration of the change in condition or the event. On receipt of notice or notices required hereunder, FIRST PARTY shall take such action as it considers, in its sole discretion, to be appropriate or necessary in the circumstances, including the granting to the SECOND PARTY of a reasonable extension of time in which to perform any obligations under the contract.
- 22.3 If an event of force majeure exists and the SECOND PARTY fails, within seven (7) days of such event to give notice in writing to FIRST PARTY and if the SECOND PARTY is rendered permanently unable, wholly, or in part, by reason of force majeure to perform its obligations and meet its responsibilities under the Contract, FIRST PARTY shall have the right to suspend or terminate the contract on the same terms and conditions except that the period of notice shall be seven (7) days. In any case, FIRST PARTY shall be entitled to consider the SECOND PARTY permanently unable to perform its obligations under the contract in the case of the SECOND PARTY's suffering any period of suspension in excess of ninety (90) days.
- 22.4 In the event of force majeure, the benefit accrued to the FIRST PARTY in terms of title and any accrued right thereof including all inchoate rights shall remain with the FIRST PARTY and the SECOND PARTY shall not have any claim with the same.

23.

SOURCE OF INSTRUCTIONS:

The SECOND PARTY shall neither seek nor accept instructions from any authority external to FIRST PARTY in connection with the performance of its obligations under the contract. Should any authority external to FIRST PARTY seek to impose any instructions on the SECOND PARTYs regarding the SECOND PARTY's performance under the contract, the SECOND PARTYs shall promptly notify and shall provide all reasonable assistance required by FIRST PARTY. The SECOND PARTY shall not take any action in respect of its performance of the contract or otherwise related to its obligations under the contract that may adversely affect the interests of FIRST PARTY and the SECOND PARTY shall perform its obligations under the contract with the fullest regard to the interests of FIRST PARTY.

24.

BENEFITS, CORRUPTION AND FRAUD:

- 24.1 The SECOND PARTY warrants that it has not and shall not offer any direct or indirect benefit arising from or related to the performance of the contract or the award thereof to any representative, officials, employee, or other agent of FIRST PARTY or any official of the Health & Family Welfare Department, Government of West Bengal or any organization engaged in the procurement process whether during the period the contract is in process or before or after the contract is over. The SECOND PARTY

acknowledges and agrees that any breach of this provision is a breach of an essential term of the contract as specified.

24.2 Corruption means the offering, giving, receiving or soliciting of, directly or indirectly, anything of value to influence the action of any FIRST PARTY representative, official, employee or agent of FIRST PARTY or any official of the Health & Family Welfare department, Government of West Bengal or any organization engaged in the selection process or in the execution of the contract.

24.3 Fraud means a misrepresentation or omission of facts in order to influence the selection process or the execution of the contract.

25. USE OF NAME OR OFFICIAL SEAL OF FIRST PARTY:

The SECOND PARTY shall not advertise or otherwise make public for purpose of commercial advantage or goodwill that it has a contractual relationship with FIRST PARTY, nor shall the SECOND PARTY, in any manner whatsoever use the name or official seal of FIRST PARTY, or any abbreviation of the name of the FIRST PARTY or Health & Family Welfare department, Government of West Bengal in connection with its business or otherwise without the written permission of FIRST PARTY.

26. ASSIGNMENT:

26.1 The SECOND PARTY shall not, except after obtaining the prior written approval of FIRST PARTY, assign, transfer, pledge, or make any other disposition of this contract or any part hereof or of any of the SECOND PARTY's right or obligations hereunder, except with the prior written authorization of FIRST PARTY. The SECOND PARTY may assign or otherwise transfer the contract to the surviving entity resulting from a reorganization of the Party's operations.

26.2 Prior to the written approval of FIRST PARTY, the SECOND PARTY shall promptly notify FIRST PARTY of such assignment at the earliest opportunity subject to the assignee or transferee agrees in writing to be bound by all of the terms and conditions of the contract and such writing is promptly provided to FIRST PARTY following the assignment or transfer and FIRST PARTY finds that the SECOND PARTYs has the financial and technical capacity as laid down in the tender document to carry out the assignment provided that:

26.2.1 Such reorganization is not the result of any bankruptcy, receivership or other similar proceedings; and

26.2.2 Such reorganization arises from sale, merger, or acquisition of all or substantially all of the SECOND PARTY's assets or ownership interest; and

26.2.3 Such reorganization is not taking place with any of the Tenderer who had participated in the Tender or who will be deemed to have conflict of interest as defined in the tender documents process for the same tender.

26.3 However, should the SECOND PARTY become insolvent or should control of the SECOND PARTY change by virtue of insolvency, FIRST PARTY may, without prejudice to any other right or remedy, terminate this contract.

27. AMICABLE SETTLEMENT:

When a dispute arises under this agreement, the parties shall make all reasonable efforts to resolve through good faith negotiation, failing which they will attempt at dispute resolution with the intervention of the Principal Secretary, the DoHFW, GoWB

28.

ARBITRATION:

28.1

Except for a dispute in connection with termination in which respect the decision of FIRST PARTY shall be final, any dispute between the parties arising out of or relating to this agreement which cannot be resolved through good faith negotiation shall be settled in arbitration, in terms of the provisions of the Arbitration and conciliation Act1996(no.26 of 1996). The arbitration hearing shall be held in Kolkata only. The award of the arbitrator (s) shall be binding on both the parties. The cost of arbitration shall be borne by the respective parties.

28.2

Pending the submission of and / or decision on a dispute, difference or claim, or until the arbitral award is published, the party shall continue to perform all of their obligations under this agreement without prejudice to a final adjustment in accordance with such award.

29.

COURT OF LAW:

In case of any dispute in between the parties, the matter will be settled in appropriate Court of Law within Kolkata Jurisdiction.

30.

QUALITY OF EQUIPMENT:

The equipment should have compliance with CE (European Conformity) standards & safety. In case the name of the offered model is not under the scope of the certification, the bidder will submit a notarized declaration in the format given in FORM 11:

Declaration of Quality Certification of Equipment

Section III. Special Conditions of Contract

The following Special Conditions of Contract (hereinafter referred to as SCC) shall supplement the General Conditions of Goods (hereinafter referred to as GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in the first column.

SCC -1	GCC - 6	<p>Delivery of Goods/ Services shall be made by the SECOND PARTY in accordance with the Schedule of Requirement</p> <p>However, the FIRST PARTY may swap facilities between phases and/or substitute any facility by a new one if deemed necessary.</p> <p>The details of shipping and/or other documents, as applicable under I or II, to be furnished by the SECOND PARTY are: I. For Goods supplied from abroad :</p> <p>(A) Upon shipment, within 24 hours the SECOND PARTY shall notify the Purchaser in writing the full details of the shipment including Contract number, description of the Goods, quantity, date and port of shipment, mode of shipment, estimated dates of arrival at the port of entry and the place of destination. In the event of Goods sent by airfreight, the SECOND PARTY shall notify the Purchaser a minimum of forty-eight (48) hours ahead of dispatch, the name of the carrier, the flight number, the expected date and time of arrival, the Master airway-bill and the House airway- bill numbers. The SECOND PARTY shall first fax the above details and then send to the Purchaser, by courier, two sets of documents comprising one original and one copy of the following:</p> <p>(i) Commercial invoice, indicating the West Bengal Medical Services Corporation Limited as the Purchaser on behalf of the Department of Health and Family Welfare, Government of West Bengal;the Contract number, Goods description, quantity, unit price and total amount. Invoices must be signed in original and stamped, or sealed with the company stamp/seal;</p> <p>(ii) Negotiable, clean, on-board through bill of lading marked “freight prepaid” and indicating the West Bengal Medical Services Corporation Limited as the Purchaser on behalf of the Department of Health and Family Welfare, Government of West Bengal and notify Consignees as stated in the Contract, with delivery through to final destination as per the Schedule of Requirements and non-negotiable bill of lading, or railway consignment note, road consignment note, truck or air waybill, or multimodal transport document, marked “freight prepaid” and showing delivery through to final destination as per the Schedule of Requirements;</p> <p>(iii)Packing list identifying contents of each package;</p> <p>(iv) Manufacturer’s Warranty Certificate covering all items supplied;</p> <p>(v) Manufacturer’s Certificate of Origin covering all items supplied;</p> <p>(vi) Original copy of the certificate of weight issued by the port authority/licensed authority and six copies;</p> <p>(vii) Manufacturer will submit a pre-shipment advisory note to purchaser &</p>
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		<p>consignee at least 15 days prior to the scheduled delivery of the equipment at the door step of the consignee;</p> <p>(viii) Acknowledgement of receipt of Goods by the Consignees, i.e. Consignment Receipt Certificate (CRC).</p> <p>The above documents shall be received by the 'Purchaser' at least 15 days before arrival of Goods at the port or place of arrival and, if not received, the SECOND PARTY will be responsible for any consequent expenses.</p> <p>II. For Goods from within India</p> <p>(A) Upon the delivery of the Goods, the SECOND PARTY shall notify the Purchaser in writing and deliver to the Purchaser two sets of documents comprising one original and one copy of the following: (i) Commercial invoice, indicating the West Bengal Medical Services Corporation Limited as the Purchaser on behalf of the Department of Health and Family Welfare, Government of West Bengal, the Contract number, loan number; Goods' description, quantity, unit price and total amount. Invoices must be signed in original and stamped or sealed with the company stamp/seal;</p> <p>(ii) Railway consignment note, road consignment note, truck or airway bill, or multimodal transport document showing the Purchaser as the West Bengal Medical Services Corporation Limited on behalf of the West Bengal Medical Services Corporation Limited and delivery through to final destination as stated in the Contract; (iii) Acknowledgement of receipt of Goods by the Consignees, i.e.</p> <p style="padding-left: 40px;">Consignment Receipt Certificate (CRC);</p> <p>(iv) Packing list identifying contents of each package;</p> <p>(v) Manufacturer's or SECOND PARTY's Warranty certificate covering all items supplied;</p> <p>(vi) Manufacturer will submit a pre-shipment advisory note to purchaser & consignee at least 15 days prior to the scheduled delivery of the equipment at the door step of the consignee.</p>
SCC -2	GCC - 30	<p>Add clause 30- Payment Terms -</p> <p>As per table 5 (b) Payment Terms at Section I: Instructions to Tenderers under sub-section A. Important information at a glance.</p>

SCC-3	GCC - 31	<p>Add clause GCC 31- The Comprehensive Maintenance Contract (Including Spare parts)</p> <p>(i) The Consignees/ Government of West Bengal / Operation & Maintenance (O&M) Partner, may, at his own and sole discretion enter into a Comprehensive Maintenance Contract (CMC) with the SECOND PARTY, three months prior to the completion of Warranty Period, at the contracted price, for a period as specified in the tender after the expiry of the warranty period provided that this service shall not relieve the SECOND PARTY of any warranty obligations under this Contract. Wherever the Technical Specifications lay down a different period of CMC, this latter period shall prevail. The CMC will commence from the date of expiry of warranty period. The CMC includes preventive maintenance including testing & calibration as per technical/service/operational manual, labour and spares.</p> <p>(ii) The CMC includes repairs of entire system, preventive maintenance, testing & calibration, labour and spares and all software updates.</p> <p>(iii) The Comprehensive Annual Maintenance and Repair charges (after Warranty period) shall be paid quarterly in four equal instalments.</p> <p>(iv) Details of CMC requirements or otherwise, as spelt out in the Technical Specifications, will prevail over those given in this section.</p>
SCC - 4	GCC -31.1	<p>Add GCC clause 31.1</p> <p>For both Warranty and CMC, as per table 8. Service Up time in Warranty & CMC at Section I: Instructions to Tenderers under sub-section A. Important information at a glance.</p>
SCC - 5	GCC - 32	<p>Add GCC clause 32</p> <p>The successful bidder shall be required to undertake supplies of quantity as per schedule of requirement in phases spread over a period of 24 (twenty four) months from the date of signing of the contract.</p>
SCC - 6	GCC -33	<p>Add GCC clause 33</p> <p>The successful bidder shall undertake to commission the equipment including the interiors of the site as per technical specification mentioned in Section IV. Schedule of Requirements.</p>

Section IV. Schedule of Requirements

Contents

1. Perspective & Scope of Work
2. Technical Specifications
3. Standard requirements
4. List of related services
5. Inspections and Tests
6. List of Consignee/ Selected Places
7. Rate Schedule Template (for Price Bid)

1. Perspective & Scope of Work

West Bengal Medical Services Corporation Limited (WBMSCL), on behalf of the Department of Health & Family Welfare, Government of West Bengal intends to use Aerial Spray of Larvicide (Kg/Ha) for Vector Borne Disease Control at selected places of West Bengal using Drone technology (Unmanned Aircraft System – UAS).

Perspective

Manual Intervention methods for Vector Borne Disease control are characterised with the following constraints in general:

- Uneven spraying
- Longer spraying coverage time
- Issues with complete coverage of the water bodies
- Access related issues/ constraints for personnel with manual sprays
- Safety and Health impact of personnel spraying the pesticides for mosquitoes
- Unavailability of Real time Data Analytics on Effectiveness of the Spraying operations and Mosquito Data

In order to ensure increased coverage and efficient Vector Borne disease control, WBMSCL intends to embark on an integrated approach for Vector Borne Disease Control using Drone technology (Unmanned Aircraft System – UAS) and associated Data Analytics using IOT and AI platform and services.

Scope of Work

The Overall scope of work encompasses:

- 1) Larvicide Spraying Management through Drone platform/ technology (Unmanned Aircraft System – UAS) - Spray of Bio-Larvicide in identified areas using Drones for the purpose of killing larvae growing in stagnant water bodies and other identified areas, taking out the next generation of mosquitoes before they take flight and
- 2) Mosquito Analytics through providing real-time mosquito surveillance data and predictive analytics, IOT for identification of mosquitoes, larvae types, gender and diversity, AI platform for data analytics, before and after analytics to measure the effectiveness of larvicide spraying and continuous monitoring through IT devices.

The detailed activities under the Scope of Work are enumerated below:

- i) To set up the Unmanned Aerial System (UAS) for operation of the drones consisting of the ground Command and Control System and Unmanned Aerial Vehicle (UAV) to be able to carry out target spraying of identified areas;
- ii) To provide the Bio-Larvicide (as per tech specification mentioned in this RFP) in required quantity (Kg/Hectare based on NVBDCP guidelines) for performing the aerial spray in target areas;
- iii) To perform the aerial spray on target sites identified by WBMSCL from time to time during the period of validity of the contract to ensure even coverage;

iv) To provide aerial video recording of the operation(s) at completion of each run in '.avi' format for further analysis;

v) Setting up the IOT and AI platform/ services to capture relevant data for providing Data Analytics

v) To provide Data Analytics Dashboards providing real-time mosquito surveillance data (identification of mosquitoes, larvae types, gender and diversity) and predictive analytics, measurement of effectiveness of the sprays (before and after analytics), Disease Outbreak and Risk Analytics, Feedback Loop, Larvae control, Citizen awareness and involvement

vi) Facilitating continuous monitoring through IOT devices

v) To provide adequate and qualified manpower to deliver the work as mentioned in this RFP for the duration of the contract;

2. Technical Specification

2A) Technical Specification of Bio-Larvicide

Product to be sprayed: Bio-larvicide recommended for Aedes sp (Dengue) with specific dosages mentioned in the CIB RC.

The Products to be sprayed must adhere to the following guidelines as provided by NVBDCP (National Vector Borne Disease Control Program) under the Ministry of Health & FW, GOI:

Sl. No.	Name of larvicide	Class of larvicide	Commercial formulation	Preparation of ready to spray formulation	Dosage of suspension made per hectare
1.	Bacillus thuringiensis var israelensis 5 % WP Strain - 164, Serotype H-14	Bio-larvicide	5% Wettable Powder	5 Kg in 200 litres of Water (250 gms in 10 litre of water)	200 litres
2.	Bacillus thuringiensis var israelensis 5 % WP Strain - ABIL, Serotype H-14 Accession No 01318	Bio-larvicide	5% Wettable Powder	a) 7.5 Kg in 200 litres of Water (375 gms in 10 litre of water) b) 10 Kg in 200 litres of Water (500 gms in 10 litre of water)	a) 200 litres b) 200 litres
3.	Bacillus thuringiensis var israelensis 12 Aqueous Suspension (12AS)	Bio-larvicide	Aqueous suspension	a) 1 litre in 200 Litres of water (50 cc in 10 litre) b) 2 litre in 200 Litres of water (100 cc in 10 litre)	a) 200 litres b) 200 litres

Additional Information on Larvicide to be sprayed:

- A. BACILLUS THURINGENSIS VAR ISRAELENIS 5% WP (Powder) formulation
- B. BACILLUS THURINGENSIS VAR ISRAELENIS AS (liquid) formulation

Name of Material: *Bacillus thuringiensis var israelensis*
(Indigenous strain will be preferred)

(CIBRC & NVBDCP Approved for Public Health Use for Aedes, Culex and Anopheles vector control – biolarvicide with specific dosages for the use)

Registration: The product is registered by the Registration Committee (Central Insecticide Board, Directorate of Plant Protection & Quarantine, Department of Agriculture, Ministry of Agriculture) and TAC for the control of larvae of **Anopheles (Malaria), Aedes (Dengue,**

Chikungunya and Zika) and Culex (Filaria) species of mosquitoes under public health programme with definite dosages mentioned in CIBRC certificate.

Packing: 5 Kg or 1 litre

Shelf Life: This shall be guaranteed by the firm with a certificate in this regard which shall have to be furnished along with the documents. At the time when the stores are offered for inspection the life of Insecticide should not have passed more than 1/6th of the effective life of the same counted from the date of manufacture.

Marking: The container shall be marked as follows:

GOVT. SUPPLY, NOT FOR RE-SALE

In addition to the above, the container shall bear legibly and indelibly the following information and any other information as necessary under the inspections Act and Rules:

- a) Name of the material.
- b) Name of the manufacturer
- c) Batch no.
- d) Date of manufacture
- e) Net weight of contents
- f) Nominal larvicide content percent and
- g) The minimum cautionary notice worded as in the Insecticides Act and Rules
- h) Specific Dosages for Anopheles, Culex and Aedes species of Mosquito larvae
- i) Potency against Anopheles, Culex and Aedes species of Mosquito larvae

Inspections and Tests

a) The Vendor shall get the Goods inspected in the manufacturer’s works by a competent authority and submit a test certificate and also a guarantee / warranty certificate that the Goods conform to laid down specifications.

b) or its representative may inspect and / or test any or all item of the Goods to confirm their conformity to the Contract

2B) Technical Specification of 16 Kg Sprayer Drone¹

Wheel Base (mm)	1600
Specification (mm)	Foldable size:1008X942X630mm Size (not include propeller) 1600*1600*630
Arm Diameter (mm)	35
Weight (kg)	7 (not including motor base)
Pesticide Tank	16 litres
Flight Speed	Up to 10 meters/sec
Flight Radius	Up to 1000 meters
Flight Height	Up to 30 meters (Normally 4 ft above land surface)
Work Temperature	Up to 50°C
Spray Width	5 – 7 meters
Take-off Weight	Greater than 36 Kg

¹Assuming that a 16 kg sprayer drone (quadcopter) is optimally suited for this purpose

Additional Information to be provided by the Tenderer related to the Drones Services Offered:

1. Number of motors:
2. Configuration:
3. AUW:
4. Battery capacity:
5. Spraying tank capacity:
6. Flow Rate:
7. Nozzle type:
8. Spray pump:
9. Flight control system:
10. DGCA compliance:
11. Video Link:
12. Logging:
13. Drone Frame/ Chassis origin:
14. Flight time with 20L spray operation:
15. Telemetry:
16. Flight controls should include:
17. Ground sensing:
18. Indigenous product:
20. Coverage of hectare per drone per day:

2C) Technical Specification of the Mosquito Analytics Platform

The IOT based mosquito analytics platform should have the following capabilities, but not limited to the features mentioned herein:

A) Smart Trap - Capture a broad spectrum of mosquito species using multiple attractants and sensors

B) Count & Classify - Count the number of mosquitoes. Identify the gender, species, and sub-species using light & audio sensors to capture the mosquito wing beat frequency and using the Artificial Intelligence layer to identify mosquito species and gender based on the frequencies. For this purpose, mention the technical and functional characteristics of your IoT platform that collects the data from the sensors and assimilates it for providing the analytical insights.

C) Analytical Dashboards & Reports – Disseminate the collected data in real-time and provide dashboards visible on mobile hand-held devices (*Using Smart Phone App for example*) to monitor the effectiveness of mosquito control programs

3. Standard requirements

The following requirements with regard to inspection, quality, warranty, maintenance and related services shall commonly apply to all the services in all the Schedules:

A. Drone Service Pre-Requisites

The vendor/ agency shall ensure that the necessary permissions and clearances for drone (Unmanned Aircraft System – UAS) operations (DAN/ DIN etc.) are obtained from respective authorities wherever applicable such as, including, but not restricted to the following:

- i. Directorate General of Civil Aviation (DGCA) – bidders are requested to comply with the latest version DGCA Civil Aviation Requirements (CAR), Section 3-Air Transport, Series X, Part-I & Public Notices issued in this regard from time to time. The latest public notice of MoCA on Drone is provided herewith for kind perusal and actions.

AV-13024/12/2019-SDIT-MoCA

Government of India

Ministry of Civil Aviation

Rajiv Gandhi Bhavan, New Delhi

08 June 2020

PUBLIC NOTICE

Subject: Voluntary disclosure of non-compliant drones flying in India

1. Whereas, the Directorate General of Civil Aviation (DGCA) has issued the Civil Aviation Requirements (CAR), Section 3 – Air Transport Series X, Part I, Issue I, dated 27 August 2018 which regulates the use of drones in the Indian Airspace and these regulations provide process for obtaining Unique Identification Number (UIN), Unmanned Aircraft Operator Permit (UAOP) and other operational requirements.
2. In order to facilitate the identification of civil drones and drone operators, a one-time opportunity for voluntary disclosure of such drones and drone operators was provided during 14-31 January 2020 vide public notice dated 13 January 2020 of this Ministry.
3. Based on public request, another opportunity is being provided to persons in possession of drones to submit the required information to the government. The submission of requisite information will be through the online portal (<https://digitalsky.dgca.gov.in>), as earlier.
4. On successful submission of the required information and documents, an Ownership Acknowledgement Number (OAN) and a Drone Acknowledgement Number (DAN) will be issued online. The OAN or DAN does not confer any right to operate the drone in India, if it does not fulfil the provisions given in the CAR.
5. Ownership of a drone in India without a valid DAN or OAN shall invite penal action as per applicable laws.
6. Any additional information or clarification may be sought from the Digital Sky help desk at support-digisky@gov.in.

Sd/-

08.06.2020

(Amber Dubey)

Joint Secretary to the Govt. of India

- ii. Ministry of Defence (MoD)
- iii. Ministry of Home Affairs (MHA)
- iv. Air Traffic Control (ATC)
- v. Local Police and District Administration etc.

- The above clearances, and permissions shall have to be mandatorily obtained prior to commencement of the flight operation and the agency shall have to also mandatorily submit a copy of the permissions and clearances received, to the designated officer of WBMSCCL.
- It shall be the responsibility of the agency to ensure that the drone operations do not take place without obtaining the relevant permissions from respective authorities.
- The agency shall be responsible for engaging required manpower to complete the work within the specified period.
- Prior to commencement of flight operation, the agency shall conduct necessary field visits for the study of the area for flight planning and establish Ground Control Points (GCPs), if required.
- Agency shall establish GCPs depending on the requirement to meet the desired specifications of the services
- Vendor/ Agency shall ensure that base station is established for each Drone flight.
- Vendor/ Agency shall ensure that endurance of each Drone for data acquisition shall not be less than 30 minutes
- The Vendor/ Agency shall deploy required number of resources on project to process the data and generate required outputs within the shortest possible time
- The Agency shall ensure that all flight data be brought into a single block and it shall be in the desired correction range
- Insurance – the Vendor/Agency should have adequate insurance to cover for the costs required in case of any damage to life & property caused by accident

B. Quality certification

Wherever appearing in the bid document, the “CE certificate” shall be read as: “CE mark for *Conformité Européenne*, (French for "European conformity").

C. Warranty

Unless specified otherwise, warranty shall always be for a period of one (1) year from the date of acceptance after provisioning of services. During warranty, cost and responsibility of the transport/shifting of the equipment, in case so required for repair, etc, shall be entirely borne by the Supplier, without any liability on the consignee. In case of such shifting of equipment, alternative working equipment shall be first made available to the consignee to avoid any disruption in the clinical work.

4. List of related services

i. Incidental Services

The supplier may be required to provide any or all of the following services, including additional services:

- a) Imparting basic awareness to consignee staff regarding functional usage of the dashboard and reports coming out of the analytics platform and displayed through Smart Phone app

Note: The consignee/ location list and areas are indicative. Specific details will be provided in the Work Order(s)/ Phase-wise details/ Batch details to the Successful tenderer.

Please note:

The Consignee Acceptance Certificate will be issued to the Vendor/ successful tenderer within 72 hours of the delivery of services at the selected places

7. Rate Schedule (for Price Bid)

Schedule – I) Larvicide Spraying Charges

Serial No.	Description	Rate (INR)	Charges (INR) per Hectare	Tax (INR) including tax rate in % age	Total Charges (INR) per hectare
1	Aerial spraying charges per hectare:	Not applicable	$X*A + Y*B$		
1a	Bio-larvicide charges (INR) per litre	X	$X*A$		
1b	UAV operational charges (INR) per hour	Y	$Y*B$		

Where,

X = bio-larvicide charges per litre (to be quoted by bidder)

A = dosage in litres of bio-larvicide per hectare (to be quoted by bidder)

Y = drone operational charges per hour (to be quoted by bidder)

B = hours required for spraying 1 hectare of target terrain (to be quoted by bidder)

A representative example for the benefit of bidders is given below (all figures mentioned below are fictitious & assumed for the purpose of this example only):

Serial No.	Description	Rate (INR)	Charges (INR) per Hectare	Tax (INR) including tax rate in % age	Total Charges (INR) per hectare
1	Aerial spraying charges per hectare:	Not applicable	200,000 + 30,000		249,600
1a	Bio-larvicide charges (INR) per litre	X = 1000	$X*A = 1000*200$	16,000 @ 8%	216,000
1b	UAV operational charges (INR) per hour inclusive of personnel charges	Y = 15000	$Y*B = 15000*2$	3,600 @ 12%	33,600

Assumed for a representative bidder,

X = 1000 INR/litre

A = 200 litres/hectare

Y = 15000 INR/hour

B = 2 hours/hectare

Schedule – II) Charges for setting up the IOT and AI platform/ services to capture relevant data for providing mosquito data analytics

Serial No.	Description	Charges in INR	GST (% & Amt in INR)	Total Charges (INR)
2	Hourly charges of personnel for providing & supporting the relevant mosquito data analytics (including before and after analytics)	N/Person-Hours		

The cost components are as follows:

1) Total Cost of Larvicide Spraying Services per Hectare = X*A + Y*B

2) One-time charge for setting up the IOT platform = M(*this charge will not apply from the second operation onwards*)

3) Manpower charges for supporting the analytics platform= N*no. of hours of manpower deployed for completing all analytical activities related to one operation (*spraying of one identified location*)

Types of analytics desired but not limited to:

- 1) IOT for identification of mosquitoes, larva types, gender and density
- 2) AI platform for data analysis
- 3) Before and after analytics to measure effectiveness of spraying
- 4) Continuous monitoring through IOT devices

Section V. Bidding Forms

FORM 1

Tender Form

(To be furnished on non-judicial stamp-paper of Rs. 100/-, affirmed before a First Class Magistrate/ Notary/ Executive Magistrate)

(All the bidders have to prepare and submit Form 1)

Date:

Bid Reference No.: _____

Name of Contract: Services related to aerial spray of Larvicides (Kg/Ha) for Vector Borne Disease Control at selected places using drone technology

To
Managing Director,
West Bengal Medical Services Corporation Ltd,
SwasthyaSathi,
GN- 29, Sector – V, Salt Lake,
Kolkata - 700 091

Madam/Sir,

I/We, the undersigned hereby accept all the terms and conditions of the Bid Reference No.: **WBMSCL/NIT-xxx/2020/ SCHEDULE- __, Dated – xx.xx.2020** and its Amendments and Addendum thereto are read and accepted without any modification or condition(s). We now offer to supply and commissioning of equipment(s) for said facility of the Govt. of West Bengal in conformity with your above referred document.

We also

1. certify that:
 - a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders.
 - b) The offered products are in accordance with the required specifications and technical requirements
 - c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of 180 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents. However, the prices quoted by us and accepted by WBMSCL shall hold good and remain valid for a period of 2(two) years from the date of signing of the contract and no additional claims will be made on account of any price variation or fluctuation in market rates. The rate quoted shall remain binding upon us and may be accepted at any time before the expiration of 2(two) years.

- d) If our bid is accepted, we will submit a performance security within 14 (fourteen) days of issuance of Award of Contract (AOC) in the prescribed format as given in the bid document.
- e) Our company has been incorporated in accordance with the laws of India and governed by them.
- f) Our Company have commissioned _____no's of the offered model and providing necessary service support to the equipments.
- g) We have never been blacklisted by any Government Department/ Agency in India during last 5 years.
- h) There is no adverse report against the equipment offered by us in any Govt. institution.
- i) We will permit WBMSCL or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the WBMSCL.
- j) All the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, penalties shall be imposed in terms of the bid document.

2. understand that:

- (i) Partial or incomplete bid submission will lead to cancellation of our bid.
- (ii) The tender inviting and accepting authority can vary quantity up to 40% (forty percent) above or 40% (forty percent) below the required quantity under this tender.
- (iii) The tender inviting and accepting authority reserves the right to reject any application without assigning any reason.

Enclose:

1. Non-Statutory Documents/ My Documents
2. Statutory Documents (Bid A & Bid B)
3. Forms & Annexure duly filled up, signed & notarized (where applicable)

Name.....

In the capacity of.....

Signed

Duly authorized to sign the Bid for and on behalf of (if applicable).....

Date.....

Form 2: CHECK-LIST

[Please fill in and include with your Bid]

Note 1: It is essential that all documents in hard copy are to be placed before the Committee and arranged in the same sequence as given in the Check List. All the documents should be appropriately flagged.

Note 2: If any document is written in any language other than English, an English translation of the document duly authenticated is to be submitted.

Note 3: The documents listed at Sl. No. 1,2,3,4,5, must be submitted online during online bid submission or else the bid would be liable to be summarily rejected.

Note 4: The bidders should also note that after opening of the technical bids, if any document other than those noted under note 3, is found wanting, WBMSCL shall reserve the right to allow late submission of such document in hard copies at its discretion within a specified time limit.

Non statutory documents to be submitted under My Document				
Sl. No.	Activity	Yes/No/NA	Page No in the Bid	Remark
1	PAN Card			
2	GST registration Certificate			
3	License from Government/ Statutory Authority as applicable OR Registration with the Registrar Of Companies, if applicable.			
4	Performance Statement Form (For the period of last three calendar years ending December 2018) – Form 6 of Section V Should be supported with documentary evidence (copy of work orders along with proof of payment received / installation certificate) that the bidder have supplied Medical equipment in Hospitals in India during the last 3 (three) Financial Years (FY)			
5	Income Tax returns for assessment year (2015-16, 2016-17, 2017-18 or 2016-17, 2017-18, 2018-19)			
6	Tender Form as per Form 1			
7	Manufacturer's Authorization (If applicable) as per Form 5 of Section V			
8	List of installations & commissioning of offered model. (self-declaration)			
9	P/L & Balance sheet 2017-2018			
10	P/L & Balance sheet 2018-2019			
BID - A				
Sl. No.	Activity	Yes/No/NA	Page No in the Bid	Remark
11	Earnest Money Deposit (EMD) (Copy of receipt of online submission of EMD)			
BID - B				
Sl. No.	Activity	Yes/No/NA	Page No in the Bid	Remark

12	Model of the Drone offered for (Self Declaration) with Technical Data Sheet			
13	Comparative Data Table of the Technical Specifications (Form No. 4 of Section V)			
14	1 set of Brochure of the offered Larvicide			
15	CE ("Conformité Européene") Certificate/ US FDA (as applicable)			

	CE ("Conformité Européene") Certificate should be from EU Notified Bodies authorized to conduct audits			
16	Pre-requisites of installation like [Power (KVA, Phase, Hz) and any other requirement, if any].			
17	Average Annual Turnover of the Company in medical equipment division/ drug division during the last 3 Financial Years (2016-17, 2017-18, 2018-19) (in INR) - to be certified by practicing Chartered Accountant as per format given in FORM 9			
18	Form 10: Declaration of Quality Certification of Equipment (as applicable)			

Form 3a: Consignee Acceptance Certificate (CAC)

(To be issued by consignee's authorized representative)



Date of supply by the Company Person	
Name and Address of the Consignee:	
Description/ Location coverage of the services provided:	
Purchase Order / Contract No.:	
Name of the Vendor/ Service Provider:	
Details of Larvicide supplied/ sprayed,	
<p>.....</p> <p>(Signature & Office Seal of authorized representative of Consignees with date) [Name and designation of the signatory to be written capital letter]</p>	



Form 3b: Satisfactory Completion Certificate (SCC)

(To be issued by WBMSCL after successful completion of services)

West Bengal Medical Services Corp. Ltd.

Bid Reference :

Award of Contract Reference :

Description of Equipment/Service :

Date of Completion of Service :

This is to certify that the goods/ services as detailed below have been successfully supplied/provided in accordance with the contract/technical specification of the goods/ services as per bid document.

Details of goods/ services etc.

Sl	Description	Quantity	Remarks
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

In case of space deficiency, another sheet with the same format can be annexed.

The inspection/ test has been done to our entire satisfaction.

In case of space deficiency, another sheet with the same format can be annexed.

Signed by the Authorised signatory:

Signature _____

Name _____

Designation with Stamp _____

Date _____

Phone No _____

Form 4: TECHNICAL SPECIFICATION FORM

(Comparative Data Table)

Tenderers must complete the right column of the below table and the compliance confirmation statement as included in Section IV, Schedule of Requirements; Technical Specifications.

Schedule No. ____:

<i>WBMSCL's minimum Technical Requirements</i>	<i>Please fill-in</i>

THE OFFERED PRODUCTS ARE IN ACCORDANCE WITH THE REQUIRED SPECIFICATIONS AND TECHNICAL REQUIREMENTS:

YES

NO

ANY DEVIATIONS MUST BE LISTED BELOW:

Form 5: MANUFACTURER'S AUTHORIZATION FORM

[The Tenderer shall require the Manufacturer to fill in this Form in accordance with the instructions in the bid document. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacture. Such certificate is not required where Manufacturer is the Tenderer.]

Date:

NIT No.:

To:

MD, WBMSCL

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize

[insert complete name of Tenderer] to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]* and subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with the General Conditions for Goods, with respect to the Goods offered by the above firm.

Authorised Signatory of the Manufacturer _____

Name _____

Designation with stamp _____

Date _____

Form 6: PERFORMANCE STATEMENT FORM

(For the period of last three years, if applicable)

Bid no: _____

Date of Opening: _____

Name of the Firm _____

Order placed by (Full address of purchaser)	Order no & date	Description & quantity of ordered items	Value of Order	Date of completion of Delivery		Remarks indicating reasons of late delivery, if any	Was the supplies of goods satisfactory
				As per Contract	Actual		

Signature and seal of the Tenderer

**Form 7: Statement of Breakup of Duties and Taxes
(TO BE UPLOADED FOR ALL SCHEDULES)**

Sl. No.	Particulars	Price (INR)	GST (%)
1	Basic Price of Aerial Spraying of Larvicide per Hectare excluding GST (Schedule I)		
2	One-time charges for setting up the IOT based analytics platform per hector excluding GST (Schedule II)		
3	Charges of personnel for providing & supporting the relevant mosquito data analytics (including before and after analytics) per hector (Schedule II)		
Total (the total cost should be fed in the designated cell of BOQ)			

Form 8(a): Deleted

Form 8(b): Deleted

Form 9: TURNOVER CERTIFICATE

I certify that Average Annual Turnover of *(insert the name of the company)* in India in medical equipment division/ drug division during the last 2 Financial Years (2017-18, 2018-19) is Rs. as per the Audited Accounts of the Organization.

Signature and seal of Chartered Accountant

Form 10: DECLARATION OF QUALITY CERTIFICATION OF EQUIPMENT

(to be Notarised)

AFFIDAVIT

I am the authorised signatory of -----, (name of Company) and in the context of supply and/ or installation of the ----- (Name of the Equipment, Name of the offered model) which is an (name of class) solemnly affirm and declare as follows:

1. That the device is in conformity with the requirements of the medical devices directive 93/42/EEC which apply to it.
2. That the abovementioned model of (Name of the Equipment) is CE (European Conformity) approved.
3. That the vendor company and /or supplier on whose behalf I am the authorised signatory admit the responsibility on the subject relating to the standard and safety of the equipment.
4. That the original copy/ photo copy of the CE certification of the offered model is enclosed and / or shall be subject to inspection on demand.
5. That the statements made in the above paragraphs are true to my knowledge and belief.

Section VI. Contract Forms

Form 1: Performance Security

[Insert: No Performance Security shall be requested or the bank, as requested by the successful Tenderer, shall fill in this form in accordance with the instructions indicated]

Date:*[insert date (as day, month and year) of Bid Submission]*
ITB No. and title: *[insert no. and title of bidding process]*

Bank’s Branch or Office:*[insert complete name of Guarantor]*

Beneficiary: *[insert legal name and address of WBMSCL]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]*(hereinafter called "the Supplier") has entered into Contract No. *[insert number]*dated *[insert day and month]*, *[insert year]*with you, for the supply of*[description of Goods and related Services]*(hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)¹ in figures and words]*, upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]*day of *[insert month]**[insert year]*,²and any demand for payment under it must be received by us at this office on or before that date. This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

[signatures of authorized representatives of the bank and the Supplier]

¹ *The Bank shall insert the amount(s) specified in the SCG and denominated, as specified in the SCG, either in the currency(ies) of the Contract or a freely convertible currency acceptable to WBMSCL.*

² *Dates established in accordance with Clause 12 of the General Conditions of Contract (“GCG”). WBMSCL should note that in the event of an extension of the time to perform the Contract, WBMSCL would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, WBMSCL might consider adding the following text to the Form, at the end of the penultimate paragraph: “We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to WBMSCL’s written request for such extension, such request to be presented to us before the expiry of the Guarantee.”*