

**Tender Document
for
Setting up and operating
“Common Bio-Medical Waste Treatment and
Disposal Facility (CBWTF)”
in
Region-1: East, North-East, Old Delhi and Central
Districts of NCT of Delhi
on
(Built, Own and Operate basis)**

Invited by



Delhi Pollution Control Committee (DPCC)

3rd Floor, Block-I, DMRC IT Park,

Shastri Park, Delhi – 110053

Tender Document for Setting up of Common Bio-Medical Waste Treatment and Disposal Facility (CBWTFs) in Region-1: East, North-East, Old Delhi and Central Districts of NCT of Delhi

(Tender Document)

No. DPCC/WMC-I/CBWTF/2025/Tender

Date of issue of Tender Document: 07 October, 2026

Member Secretary, Delhi Pollution Control Committee (DPCC) invites online Bids from qualified Bidders for setting up and operating Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) on BOO (Built, Own and Operate) basis for the collection, transportation, reception, storage, treatment, and disposal of bio-medical waste for the following region of the NCT of Delhi:

Region-1: East, North-East, Old Delhi and Central Districts of NCT of Delhi.

The Tender Document can be downloaded from the Government of NCT of Delhi e-Portal (<https://govtprocurement.delhi.gov.in>) as well as from the DPCC website www.dpcc.delhi.gov.in (for reference).

The critical date sheet is as under:

S. No.	Description of Activities	Date	Time
1	Tender Document available for download	07.10.2026	15:00 Hrs.
2	Tender Submission Start Date	07.10.2026	15:00 Hrs.
3	Last date of receiving queries	19.10.2026	15:00 Hrs.
4	Pre-bid meeting Date	21.10.2026	15:00 Hrs.
5	Response to queries / Pre-bid clarifications	28.10.2026	15:00 Hrs.
6	Tender Submission End Date	04.11.2026	15:00 Hrs.

NOTE: If any due date happens to be a holiday, then the next working day will be the due date at the same time.

**Member Secretary
Delhi Pollution Control Committee**

DISCLAIMER

The information contained in this Tender Document or subsequently provided to the Bidder(s) in any form by or on behalf of the Authority or any of its employees, consultants or advisers, is provided to the Bidder(s) on the terms and conditions set out in this Tender Document and such other terms and conditions as may be prescribed.

While the information contained in this Tender Document has been prepared in good faith, it is not and does not purport to be exhaustive and does not contain all information that a Bidder may require. Neither the Authority nor its officers, employees, advisers, or consultants accept any responsibility or liability for the accuracy, completeness, or reasonableness of the information, or for any errors, omissions, or misstatements, whether negligent or otherwise. No representation or warranty, express or implied, is made in this regard, and any liability in respect thereof is expressly disclaimed.

This Tender Document is not an agreement and does not constitute an offer or invitation by the Delhi Pollution Control Committee ("Authority") to any party. The purpose of this Tender Document is to provide information to assist the Bidder(s) in preparing their Proposals. The information contained herein is selective and subject to updating, revision, amendment, and supplementation by the Authority. Each Bidder is advised to carry out its own investigations and analysis and obtain independent professional advice on all matters related to the Project, including legal, financial, tax, regulatory and technical aspects, before submitting a Bid.

This Tender Document contains statements, assumptions, estimates, and projections related to the Project. These reflect various assumptions made by the Authority's management and advisers, which may or may not prove to be correct. No representation or warranty is made as to the accuracy, reasonableness or completeness of such statements, assumptions, or projections.

The Tender Document and the information contained herein are confidential and are meant solely for use by the Bidders for the purpose of preparing and submitting their Bids. They shall not be reproduced, copied, transmitted, or used for any purpose other than submission of the Bid and shall not be disclosed to any third party without prior written consent of the Authority.

The Authority, its employees and advisers shall not be liable to any Bidder under any law (including tort, contract, statute or otherwise) for any loss, damage, cost, or expense arising out of this Tender Document, including any actions taken or decisions made by the Bidder in reliance on it.

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The Authority reserves the right, without obligation or liability, to update, modify, amend, or supplement this Tender Document, or to annul or cancel the Bidding Process, at any time without assigning any reason. Issuance of this Tender Document does not imply that the Authority is bound to select any Bidder or award the Project.

The Bidder shall bear all costs associated with the preparation and submission of its Bid, including site visits, meetings, presentations, and any other costs incurred. The Authority shall not be responsible or liable for the same, regardless of the outcome of the Bidding Process.

Any information or documents, including those subsequently provided to Bidder(s) or the Selected Bidder, which are classified or deemed sensitive, or the disclosure of which may be detrimental to the Project's security or implementation, shall not be treated as public documents and are exempt from disclosure.

Place: Delhi

Date: _____

Seal

Signature _____

Member Secretary

Delhi Pollution Control Committee

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Tender Highlights

1.	Tender Inviting Authority: hereinafter referred to as "Authority"	Delhi Pollution Control Committee (DPCC)
2.	Title of Tender Document	Tender Document for setting up of CBWTF in Region-1: East, North-East, Old Delhi and Central districts of NCT of Delhi.
3.	Publication of the Tender Document	7th OCTOBER, 2026 (15:00 Hrs)
4.	Contact Details for clarification	7077734415 dpcc.wmc1.2026@gmail.com
5.	Last date for receiving Pre Bid queries/ Clarifications	19th OCTOBER, 2026 (15:00 Hrs)
6.	Pre-Bid meeting date and venue	21st OCTOBER, 2026 (15:00 Hrs) 3rd Floor, Block-I, DMRC IT Park, Shastri Park, Delhi - 110053 Or Virtual meeting through online mode
7.	Date of response to Pre-Bid Queries / clarifications	28th OCTOBER, 2026 (15:00 hrs.)
8.	Proposal Due Date - Last date for submission of Bids	4th NOVEMBER, 2026 (15:00 hrs.)
9.	Date of opening of Tender Document	4th NOVEMBER, 2026 (16:00 hrs.)
10.	Proposal validity	- The submitted Bid shall remain valid for a period of 12 months from the Proposal Due Date. - During the validity period, the Bidder shall not withdraw, amend, or modify its Bid in any manner.

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11.	Two-Bid System with Technical Qualification and H1 Financial Selection	The selection shall be carried out under a Two-Bid System comprising Technical and Financial Evaluation. Only those Bidders who qualify in the Technical Evaluation (minimum 60% marks) shall be considered for opening of Financial Bids. The contract shall be awarded to the technically qualified Bidder quoting the highest one-time bidding amount (H1).
12.	Bid Security /Earnest Money Deposit (EMD) in the prescribed format	- The Bidder shall submit an Earnest Money Deposit (Refundable) of ₹80,00,000 (Rupees Eighty Lakhs only), equivalent to 4% of the approximate project cost (₹ 20 Crore excluding land cost and civil works), in the form of a Bank Guarantee (BG) issued by any Nationalized / Scheduled Commercial Bank in Favour of the Delhi Pollution Control Committee (DPCC). - The BG shall be valid for a period of 12 months from the Proposal Due Date. - The EMD of unsuccessful Bidders shall be refunded after finalization of the tender. - The EMD of the selected Bidder shall be released only upon submission of Performance Security. - If the highest-ranked Bidder (H1) fails to comply or fails to commence the work within the stipulated period of 90 days, the EMD shall be forfeited and the offer shall be extended to the next eligible Bidder (H2, and thereafter H3), subject to such Bidder agreeing to match and pay the one-time bidding amount quoted by H1, where such amount is higher than their own quoted bid. - The EMDs of H2 and H3 shall be retained until successful commencement of work and refunded within 30 days thereafter.
13.	Performance Security	The successful Bidder shall submit a Performance Security equivalent to 6% of the approximate project cost (₹ 20 Crore excluding land cost and civil works) i.e. Rs. 1,20,00,000/-

		in the form of a Bank Guarantee issued by any Nationalized / Scheduled Commercial Bank in favor of DPCC. • The Performance Security shall remain valid for the entire contract period plus 60 days beyond completion of the contract. • LD and penalties beyond Performance Security shall be recoverable from the Bidder through demand notice.
14.	Land Requirement	• The Bidder shall furnish proof of possession of land for the proposed CBWTF at the time of bid submission. Acceptable documents include: ○ Proof of ownership; or ○ A valid lease agreement for a minimum period of Ten (10) years and shall be further extendable; or ○ A Registered Memorandum of Understanding (MoU) with the landowner; or ○ A self-declaration on the Bidder's letterhead, committing to procure the required land within sixty (60) days from the date of issuance of the Letter of Award (LoA), failing which the LoA shall be cancelled. ○ For Bidders without owned land, leasing shall be permissible, subject to submission of additional Bank Guarantee equivalent to 10% of the approximate project cost, valid for 120 days from the Proposal Due Date. • The successful Bidder shall secure land measuring not less than 0.5 acre, comprising a single plot or up to two adjacent (contiguous) plots, located within an industrial zone, in conformity with applicable land-use and zoning regulations, within 60 days from the award of work. • Bids submitted with land parcels measuring less than 0.5 acre shall be rejected.
15.	Proposal Submission Language:	English

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16.	Single currency for price conversion	Indian Rupees
17.	Announcement of Qualifying Bidder	Result of qualifying bidder shall be updated on the portal https://govtprocurement.delhi.gov.in and DPCC website
18.	Defect Liability Period (DLP)	The Defect Liability Period shall be two (2) years from commissioning.

Section I: Invitation of Bid

1. Background

The Bio-Medical Waste Management Rules, 2016, along with subsequent amendments issued in 2018, 2019 and 2026, have been notified under the provisions of the Environment (Protection) Act, 1986 to ensure environmentally sound management of bio-medical waste (BMW) generated from health care and associated activities. These Rules aim to minimize the adverse impacts of such waste on human health and the environment through segregation at source, collection, transportation, treatment, and disposal in a safe and scientific manner.

To promote effective and sustainable waste management, the Rules emphasize the establishment of Common Bio-Medical Waste Treatment and Disposal Facilities (CBWTFs) instead of individual, in-situ treatment systems by health care facilities, thereby optimizing infrastructure utilization and ensuring regulatory compliance.

In accordance with Rule 7 of the Bio-Medical Waste Management Rules, 2016, bio-medical waste shall be treated and disposed of in accordance with Schedule I, and in compliance with the standards prescribed in Schedule II, by both health care facilities and CBWTF operators. Every operator of CBWTF is required to install and maintain requisite treatment equipment such as dual-chamber incinerators, autoclaves or microwaves, shredders, effluent treatment plants, and emission control systems, prior to commencement of operations, ensuring adherence to emission and discharge standards as specified under the Rules and their amendments.

2. Introduction

In Delhi, there are currently two authorised Common Bio-Medical Waste Treatment and Disposal Facilities (CBWTFs) responsible for the collection, transportation, treatment, and disposal of bio-medical waste generated across the 13 revenue districts of the NCT of Delhi. Given that one of these CBWTFs, operating under a DHS contract originally valid till 2020, is presently functioning through extensions, and considering the expected rise in health-care bed capacity and bio-medical waste generation up to 2050, the Delhi Pollution Control Committee (DPCC) is inviting Bids through this Tender Document for establishing two new CBWTFs to serve the following regions:

- A. Region-1: East, North East, Old Delhi and Central districts of NCT of Delhi
- B. Region-2: West, South West, and Outer North districts of NCT of Delhi

This Tender Document pertains to the development of a new CBWTF for Region-1: East, North East, Old Delhi and Central districts of NCT of Delhi.

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The projection of bio-medical waste generation has been carried out in accordance with the CPCB methodology titled *“Methodology to Conduct Gap Analysis with respect to Generation and Treatment of Bio-medical Waste”* dated 10th October 2023 (Revision 1), adopting a linear extrapolation approach based on historical data for the period 2008–2024. Accordingly, the total bio-medical waste generation is estimated at approximately 74 TPD by the year 2050. Further, district-wise projections for 2050 have been derived by proportionally scaling the 2024 baseline data using an appropriate scaling factor, ensuring consistency with the overall projected waste generation for the city.

The projected bio-medical waste generation for Region-1 by 2050 is as follows:

S.No.	Region	Districts Catered in Delhi	No. of beds covered as in 2024	BMW Generated (kg/day) in 2024	No. of beds projected in 2050	BMW projected in year 2050 (kg/day)
1	Region-1	East, North-East, Old Delhi and Central Districts of NCT of Delhi	18,397	8,005	40,650	18,000

Data on the number of healthcare facilities in Delhi and category-wise bio-medical waste generation for 2024, as per the Annual Report under Bio-Medical Waste Management Rules, 2016 (NCT of Delhi), is summarized below:

a) Distribution of HCFs and bed strength in Region-1, Delhi in 2024

Sr. No.	District Name	Total No. of HCFs	Total No. of Bedded HCF	Total No of Non-Bedded HCFs	No. of Beds
1	East	1399	158	1241	4141
2	North-East	969	145	824	4955

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3	Central	463	59	404	3025
4	Old Delhi	399	53	346	6276

b) Bio-medical waste generation in 4 categories in Region 1 of Delhi in 2024

Districts	Yellow waste (kg/day)	Red waste (kg/day)	White waste (kg/day)	Blue waste (kg/day)	Total waste (kg/day)
East	708	1081	44	224	2057
North-East	644	657	21	148	1471
Old Delhi	1083	868	42	133	2125
Central	753	1214	53	332	2352

The Tender Document invites proposals for establishing a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Region-1 covering the districts of East, North-East, Old Delhi and Central districts of NCT of Delhi.

The projected BMW generation for the region is approximately 18,000kg/day by 2050. The required capacity of the proposed CBWTF is 18 TPD, with an rotary incinerator of minimum 500 Kg/hr.

NOTE

All data, figures, projections, and other information provided in this Tender Document are indicative and non-binding. Prospective Bidders are advised to undertake their own due diligence and independently assess all relevant parameters, including but not limited to the number of Health Care Facilities (HCFs), bed capacity, quantum of bio-medical waste generation, and potential variations during the establishment and operational period of the proposed Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF). No claim, whatsoever, shall lie against DPCC in respect of the accuracy, completeness, or reliability of such information at any stage of the bidding process or during the execution of the Project.

The Selected Bidder shall provide services for collection, transportation, treatment, and disposal of bio-medical waste generated from Delhi Government Health Care Facilities free of cost for the entire contract period.

DPCC shall reserve its right to review/change the allocation of districts to CBWTFs including existing CBWTF at any stage for long term solution for collection, treatment and disposal of Bio-Medical waste irrespective of number of beds covered/catered by CBWTF.

Notwithstanding anything contained in this Tender Document, DPCC reserves the absolute right to accept or reject any Bid, annul the bidding process, or cancel the Tender at any stage without assigning any reason and without incurring any liability whatsoever. No claim, compensation, or damages shall be payable by DPCC on account of such rejection or cancellation.

3. Objective of Tender Document

This Tender Document invites Proposals from eligible and reputed Bidders for setting up and operating a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) on a Build, Own and Operate (BOO) basis for the collection, transportation, reception, storage, treatment, and disposal of bio-medical waste for the following region of NCT of Delhi:

Region-1: East, North-East, Old Delhi and Central Districts of NCT of Delhi.

4. Minimum Eligibility Criteria for Tender Document

The Bidder should fulfill the following minimum eligibility criteria for submitting the Tender:

- A. The Bidder shall be a legally registered entity in India, such as a Company registered under the Companies Act, a Society, Trust, Partnership Firm, LLP, or Proprietorship. In case of a Joint Venture (JV), at least one member of the JV must be an entity incorporated/registered in India under the applicable statute.
- B. The Bidder may be an Indian or foreign (global) entity; however, the Bidder must have a registered office in India as on the date of submission of the Tender.
- C. The Bidder should have an average turnover of Rs. 05 Crores (Rs. Five Crores) for any three years in last four financial years preceding the last date of submission of Tender. Bidder is required to submit the audited financial statement along with Chartered Accountant (CA) certificate clearly mentioning year wise turnover.
- D. In case of a Joint Venture (JV), each member shall submit audited financial statements and a Chartered Accountant's certificate for any three years in last four financial years.
The Lead Member of the JV shall be clearly and unambiguously identified. The Lead Member must individually contribute at least 51% of the combined turnover of all JV members in each of the three years in last four financial years.
- E. The Bidder shall have a minimum of 3 years of experience in operating and managing a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) during the last 5 years. In Case of a JV, the Lead/ JV member shall meet this criteria. The years of experience of handling & operating CBWTFs shall be considered for one member only in case of JV.
- F. The Bidder shall have at least one full-time professional on its payroll possessing a degree/diploma in engineering or environmental science and having minimum 3 (three) years of experience in CBWTF operations. In Case of a JV, the Lead/ JV member shall meet this criteria.
- G. The Bidder shall possess a minimum of 0.5-acre (single plot or up to two adjacent (contiguous plots) of land (owned or under a registered lease) for setting up the

CBWTF in an industrial area. The Bidder should ensure that the land for the proposed facility should be able to meet the environmental safeguards as per EIA notification 2006. Bidders, who do not possess land at the time of bid submission, shall comply with the requisite conditions as stipulated at Point No. H.

- H. The Bidder shall submit documentary proof of land possession (ownership /registered lease) in the name of the Bidder / JV member. The complete address and specifications of the identified land shall be submitted with the Bid, as required under Annexure-B. Alternatively, a valid Registered MoU with the landowner or a self-declaration on the Bidder's letterhead committing to procure the required land within 60 (Sixty) days of issuance of the Letter of Award (LoA). Failure to procure land within the prescribed period shall result in automatic cancellation of the LoA and the Concession Agreement, forfeiture of the Bid Security, and invocation of an additional 10% Bank Guarantee towards penalty. In such an event, the work shall be offered to the next eligible Bidder (H2 then H3) who shall match & pay the one-time bidding amount quoted by H1, if higher than their quoted amount.
- I. Bidders who do not furnish proof of land possession (ownership or registered lease) at the time of bid submission shall submit a Bank Guarantee (BG) equivalent to 10% of the approximate project cost (approximately ₹ 20 crore excluding land cost and civil works). The BG shall remain valid for 120 days from the last date of bid submission and will be encashed if the Bidder fails to secure the required land within the stipulated period of 60 days from the date of issue of the Letter of Award (LoA). Bidders without owned land may obtain land on lease. Each Bidder shall secure a minimum of 0.5 acre, either as a single plot or up to two adjacent (contiguous) plots, situated within an industrial area and compliant with applicable land-use and zoning regulations. Bids offering less than 0.5 acre shall be summarily rejected.
- J. For minimum eligibility and evaluation purposes, the credentials of the Bidder's holding or subsidiary company may be considered. All such details shall be furnished in the format provided at **Annexure-C**.

Section II: Scope of Work

1. Scope of Work

- A. The Bidder shall establish a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) on a Build, Own and Operate (BOO) basis and operate the same for a period of twenty-five (25) years from the date of grant of the first Authorization under the Bio-Medical Waste Management Rules, 2016 and Consent to Operate (CTO) under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 by DPCC.
- B. The CBWTF shall be fully established and made operational within twelve (12) months from the date of issue of the Letter of Award (LoA).
- C. The CBWTF shall be developed on a minimum of 0.5 acre of land located in an industrial area. Bidders with practical experience in operating CBWTFs may enter into registered lease agreements or Joint Ventures (JV) with landowners.
- D. Due to land scarcity in Delhi, the minimum 0.5-acre area may consist of only up to two adjacent (contiguous) plots. Non-contiguous plots or plots in different locations will not be permitted. A separate plot may be allowed solely for vehicle parking, provided it is in close vicinity within the same industrial area.
- E. The selected Operator shall collect, transport, treat, and dispose of bio-medical waste generated from Delhi Government Health Care Facilities (HCFs) free of cost. The Operator shall recover its operational costs through user charges collected from other member Health Care Facilities, excluding Delhi Government HCFs.
- F. At all stages of setting-up and operating CBWTF for the designated period, the bidders would have to comply with all applicable rules/regulations/guidelines of the land (e.g. technical, environmental, safety, financial etc.) issued by any/all regulatory body/bodies of central, state, and local level government(s).
- G. As per the amendment to the EIA Notification, 2006 (MoEF&CC Notification S.O. 1142(E) dated 17.04.2015), a CBWTF falls under Item 7(da) and requires Environmental Clearance (EC) from the State Environment Impact Assessment Authority (SEIAA), or MoEF&CC as applicable. The Selected Bidder shall obtain:
 - a) Environmental Clearance (EC)
 - b) Consent to Establish (CTE)
 - c) Consent to Operate (CTO)
 - d) Authorization under BMWM Rules, 2016No construction or site preparation shall commence without EC.
- H. The selected operator shall collect bio-medical waste from all HCFs in the assigned region and transport it to CBWTF for treatment and disposal, strictly following BMWM Rules, 2016.
- I. The CBWTF shall include, at minimum, the following infrastructure, and systems:

- a) Rotary Incinerator with Air Pollution Control System (preferably dry APCD with baghouse)
 - b) Autoclave / Hydroclaving / Microwave unit
 - c) Shredder
 - d) Vehicle and container washing facility
 - e) Effluent Treatment Plant (ETP)
 - f) Barcode-based waste collection and scanning system
 - g) Dedicated collection vehicles (only CNG / Electric) with GPS
 - h) CCTV surveillance system covering the processing area
 - i) Online Continuous Emission Monitoring System (CEMS) on incinerator stack
- J. The land parcel shall provide adequate space for:
- a) Storage of treated and untreated waste
 - b) All waste-treatment equipment
 - c) Washing bay and vehicle parking
 - d) ETP and Ash storage
 - e) Administrative office, staff rooms, DG set area, and utility spaces
 - f) Any additional systems required as per BMWWM Rules or guidelines issued by MoEF&CC, CPCB, DPCC, or any concerned authority.
- K. The operator shall comply with all current and future guidelines, circulars, and notifications issued by MoEF&CC, CPCB, DPCC, and other regulatory bodies, including guidelines related to emergency situations such as COVID-19 waste management.
- L. DPCC shall reserves its right to review/change the allocation of districts to CBWTFs including existing CBWTF at any stage for long term solution for collection, treatment and disposal of Bio-Medical waste irrespective of number of beds covered/catered by CBWTF.

2. Responsibilities of Common Bio Medical Waste Treatment (CBWTF) Operator

- A. The Operator shall independently familiarize itself with the physical location, access roads, and travel time to each Health Care Facility (HCF) throughout the year. No support shall be provided by State/District authorities in this regard.
- B. The Operator shall obtain, possess, renew, and maintain all statutory authorizations, consents, certificates, and clearances required for establishment and operation of the CBWTF under applicable Acts, Rules, Notifications, and Guidelines.
- C. The Operator shall ensure timely submission of the Annual Report on Bio-Medical Waste to DPCC as mandated under the Bio-Medical Waste Management Rules 2016 and subsequent amendments.

- D. The Operator shall maintain, preserve, and safely store all records and data related to waste collection, generation, treatment, and disposal for a minimum period of five (5) years.
- E. The Operator shall be fully responsible for operationalization, routine and preventive maintenance, repair, and upkeep of all equipment/machinery installed at the CBWTF. Adequate backup systems for critical equipment shall be ensured. The Operator shall bear full liability for any violation, non-compliance, or legal consequences arising under applicable laws.
- F. The Operator shall engage adequate, competent, and trained manpower and shall comply with all applicable labour laws relating to wages, working hours, safety, insurance, gratuity, compensation, and other statutory benefits.
- G. All personnel deployed shall wear uniforms bearing the Operator's logo and shall carry valid photo identification cards during duty hours.
- H. All expenses related to machinery operation, manpower, water, electricity, consumables, taxes, levies, and duties shall be borne entirely by the Operator.
- I. The Operator shall provide adequate training to its personnel and provide necessary personal protective equipment (PPE) to ensure their health and safety.
- J. CBWTF premises shall not be used for any purpose other than that permitted under the authorization issued by DPCC.
- K. Any pilferage, damage, or loss caused to property of any Health Care Facility due to negligence or mishandling by the Operator or its personnel shall be fully recoverable from the Operator.
- L. The CBWTF Staff will exhibit exemplary behaviour and conduct, while visiting the health care facility. The CBWTF will take immediate action on complaints or notices, and such staff would be replaced. Outcome of disciplinary/punitive action taken on the complaint will be intimated to complainant and the health care facility.
- M. The Operator shall ensure full compliance with the Bio-Medical Waste Management Rules, 2016 (as amended) and all guidelines issued by CPCB/DPCC from time to time, and shall fulfil all duties of a CBWTF Operator as prescribed under Rule 5 of the BMWM Rules

3. Key Deliverables

DPCC intends to engage a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) Operator, as defined under the Bio-Medical Waste Management Rules, 2016 (as amended), for comprehensive management of bio-medical waste generated by Health Care Facilities (HCFs).

- A. The Operator shall fully discharge all obligations listed under *Clause 5 – Duties of the Operator of a Common Bio-Medical Waste Treatment and Disposal Facility* of the BMWM

Rules, 2016 (as amended).

- B. Daily collection of bio-medical waste from the designated common bio-medical waste storage areas of all HCFs.
- C. Maintain comprehensive daily records of waste collected, received, transported, and treated. Records must include:
 - a) Date and time of collection
 - b) Name of HCF
 - c) Waste category and quantity
 - d) Vehicle number
 - e) Date of receipt at CBWTF
- D. Maintain all mandatory documents, registers, and reports required under BMWM Rules, Government notifications, and directives issued by state/district regulatory authorities.
- E. Deploy its own trained personnel for waste handling, transportation, treatment, and related operations.
- F. Provide non-chlorinated, colour-coded, bar-coded plastic bags (as per BMWM Rules, 2016) to all HCFs (no cost to Delhi Govt. HCFs) on a monthly basis. HCFs will provide quarterly estimates for bag requirements.
- G. The Operator must provide services at no cost to all Health Care Facilities under Delhi Government departments.

4. Plant Equipment and Infrastructure

All proposed equipment for the CBWTF shall fully comply with the “CPCB Guidelines for Common Bio-Medical Waste Treatment and Disposal Facilities” and the Bio-Medical Waste Management (BMWM) Rules, 2016 (as amended). The design, capacity, and performance standards of the Rotary Incinerator Unit shall strictly conform to the BMWM Rules, 2016 (as amended), and relevant CPCB technical guidelines.

The detail of plant equipment and infrastructure requirement at CBWTF is as follows:

A. Treatment equipment

The Common Bio-medical Waste Treatment and Disposal Facility should treat bio-medical waste as per BMWM Rules and as per the authorization granted by the prescribed authority. CBWTF should have the following treatment facilities (*reference: Guidelines for Common Bio-Medical Waste Treatment and Disposal Facilities, April 12, 2025*):

a) Incineration

- Incineration is a controlled combustion process where waste is completely oxidized, and harmful microorganisms present in it are destroyed/ denatured under high temperature. The guidelines for "Design & Construction

Requirements of Bio-medical Waste Incinerators” by CPCB from time to time shall be followed for selecting/or augmenting the incinerator.

- The CBWTF shall establish only rotary incinerator. Only approved fuel/ electricity should be used for the operating the incinerator.

a. Autoclaving/Hydroclaving

- **Autoclaving** is a low-heat thermal process where steam is brought into direct contact with waste in a controlled manner and for sufficient duration to disinfect the wastes as stipulated under the Bio-medical Waste Management Rules. For ease and safety in operation, the system should be horizontal type and exclusively designed for treatment of bio-medical waste. For optimum results, pre-vacuum-based system is preferred against the gravity type system. It shall have tamper-proof control panel with efficient display and recording devices for recording critical parameters such as time, temperature, pressure, date, and batch number etc. as required under the BMWM Rules.
- **Hydroclaving** is similar to that of autoclaving except that the waste is subjected to indirect heating by applying steam in the outer jacket. The waste is continuously tumbled in the chamber during the process.

b) Microwaving: In *microwaving*, microbial inactivation occurs as a result of the thermal effect of electromagnetic radiation spectrum lying between the frequencies 300 and 300,000MHz. Microwave heating is an inter-molecular heating process. The heating occurs inside the waste material in the presence of steam.

c) Chemical disinfection: Though chemical disinfection or alternates as stipulated under the BMWM Rules is also an option for treatment of certain categories of bio-medical waste such as glass waste but looking at the volume of waste to be disinfected at the CBWTF and the pollution load associated with the use of chemical disinfectants, the chemical disinfection for treatment of bio-medical waste as part of a CBWTF may be used sparingly or avoided as far as possible.

d) Dry heat sterilization: This is the additional option for treatment of waste sharps as stipulated under the BMWM Rules. In this method, waste sharps are treated using dry heat (hot air) at a temperature not less than 185°C, at least for a residence period of 150 minutes in each cycle (with sterilization period of 90 minutes).

e) Shredder: Shredding is a process by which waste is de-shaped or cut into smaller pieces to make the wastes unrecognizable. It helps in prevention of reuse of bio-

medical waste and acts as identifier that the wastes have been disinfected and are safe to dispose of. A shredder to be used for shredding bio-medical waste shall confirm to the following minimum requirements:

- The shredder for bio-medical waste shall be of robust design with minimum maintenance requirement.
- The shredder should be properly designed and covered to avoid spillage and dust generation. It should be designed such that it has minimum manual handling.
- The hopper and cutting chamber of the shredder should be so designed to accommodate the waste bag full of bio-medical waste.
- The shredder blade should be highly resistant and should be able to shred waste sharps, syringes, scalpels, blades, plastics, catheters, intravenous sets/ bottles, blood bags, gloves, bandages etc. It should be able to handle/ shred wet waste, especially after microwave/ autoclave/hydroclave;
- The shredder blade shall be of non-corrosive and hardened steel;
- The shredder should be so designed and mounted so as not to generate dust, high noise & vibration.
- If hopper lid or door of collection box is opened, the shredder should stop automatically for safety of operator.
- In case of shock-loading (non-shreddable material in the hopper), there should be a mechanism to automatically stop the shredder to avoid any emergency/accident.
- In case of overload or jamming, the shredder should have mechanism of reverse motion of shaft to avoid any emergency/accident.
- The motor shall be connected to the shredder shaft through a gear mechanism, to ensure low rpm and safety.
- The unit shall be suitably designed for operator safety, mechanical as well as electrical; The shredder should have low rotational speed (maximum 50 rpm). This will ensure better gripping and cutting of the bio-medical waste;
- The discharge height (from discharge point to ground level) shall be sufficient (minimum 3 feet) to accommodate the containers for collection of shredded material. This would avoid spillage of shredded material;
- The minimum capacity of the motor attached with the shredder shall be 3 KW for 50 Kg/hr, 5 KW for 100 kg/hr & 7.5 KW for 200 Kg/hr and shall be three phase induction motor. This will ensure efficient cutting of the bio-medical wastes as prescribed in the Bio-medical Waste Management Rules; and

- The shredder also should be fitted with separate 'energy meter' for recording total energy consumed for operation of this equipment.

f) Sharp pit/ Encapsulation: A sharp pit or a facility for sharp encapsulation in a metal container or cement concrete shall be provided for treated sharps (i.e., treatment by autoclaving or dry heat sterilization followed by shredding or mutilation). An option may also be worked out for recovery of metal from treated and shredded waste sharps within the CBWTF or iron foundries having consent to operate from the SPCBs/PCCs and located nearby, as per the conditions imposed in authorization granted under BMWM Rules by the SPCB/PCC.

A sharp pit may be of circular or rectangular shape and shall be dug and lined with cement plastered brick masonry or concrete rings. The pit should be covered with a heavy concrete slab with a provision of galvanized steel pipe projecting about 1.5 meters above the slab, with an internal diameter of up to 50 mm or 1.5 times the length of vials, whichever is more. The top opening of the steel pipe shall have a provision of locking after the treated waste sharps are disposed into the sharp pit. When the pit is full, it can be sealed completely, after another pit is prepared. In case of high-water table regions (i.e., where water table is less than 6 meters beneath the bottom of the sharp pit), a tank with above mentioned arrangements shall be made above the ground.

g) Deep burial: SPCB/PCC should not allow the 'deep burial' of bio-medical waste as a part of CBWTF.

h) Non-burn technology: Non-incineration technologies for disposal of bio-medical waste are adopted in some of the developed countries. Non-incineration technology comprises shredding and disinfection by autoclaving/microwaving or chemical treatment. The treated waste can be disposed of municipal solid waste in sanitary landfills or through waste to energy plants. Such option can also be adopted in places where sanitary landfill or waste to energy plant for disposal of municipal solid waste is available. Such technology is permitted only after prior approval of MoEF&CC and only after obtaining authorization under the BMWM Rules from the respective SPCB/PCC for the purpose of carrying out trial runs for assessment of efficacy of the treatment equipment.

i) Vehicle/Containers washing facility: Every time a vehicle is unloaded, the vehicle and empty waste containers shall be washed properly and disinfected. Washing can be carried out in an open area but on an impermeable surface and liquid effluent so generated shall be conveyed and treated in an effluent treatment

plant. The impermeable area shall be of appropriate size to avoid spillage of liquid during washing.

j) Effluent Treatment Plant: A suitable Effluent Treatment Plant (ETP) shall be installed to ensure that liquid effluent generated during the process of washing containers, vehicles, floors etc. is treated and reused after treatment. Proper treatment of waste water shall be ensured in case of zero discharge by recirculation of treated waste water for scrubbing. ETP may have treatment unit operations comprising collection tank, O & G trap, chemical dosing cum mixing (Flash and slow), coagulation chamber, primary settling tank (s), biological treatment process, secondary settling tank, pressure filter and activated carbon filter, pH Correction tank (wherever recirculation of treated water is practiced) so as to comply with the liquid discharge standards stipulated under the Bio-medical Waste Management Rules, 2016. ETP may also have the following provisions:

- separate 'energy meter' to know total consumption of electricity for operation of the machinery attached with the ETP.
- pH meter to know pH level of treated water as well as pH level of treated water used for re-circulated or recycling in APCD attached with the incinerator or any utility within the CBWTF.
- A 'magnetic flow meter' should also be fitted at all the water supply extraction points of the CBWTF as well as the outlet to know the total wastewater treated for further end use or discharge in compliance to the BMWM Rules.
- Provision of 'press filter' to reduce the moisture content of the ETP Sludge or it may be dried in 'sludge drying bed.' After removal of moisture content or drying, same need to be disposed of in an environmentally sound manner depending upon the hazardous constituents present in it as per Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016.
- In case, ETP sludge contains metal contents within the prescribed limits as per Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016, such ETP sludge shall be given to CBWTF for incineration or to hazardous waste treatment, storage, and disposal facility (TSDF) for disposal in secured landfill.

Note:

- If any CBWTF desires to adopt any other technology other than referred under Schedule –I of the BMWM Rules, may adopt new technology only with the prior approval from MoEF&CC and is also required to obtain authorization under the BMWM Rules from the respective SPCB/PCC for carrying out trial run for assessment of efficacy of the new technology.

- All the treatment equipment should be operated and complied with the norms as stipulated under Schedule II of the Bio-medical Waste Management Rules, 2016 published by MoEF&CC vide GSR 343 (E) dated 28th March, 2016.
- Incinerator/ Autoclaving/Microwaving/ Hydroclaving/ Shredder/ Dry Heat Sterilization/ ETP should be fitted with separate 'energy meter' for recording total energy consumed for operation of this equipment.
- In the event of temporary shutdown (not more than a week) due to any operational problems in the treatment equipment (such as restoration of refractory lining or maintenance or repairs in APCD), to ensure bio-medical waste collected from the member health care facilities is treated within the time limit as stipulated under the BMW Rules, all CBWTF operators should also be provided with stand by treatment equipment especially incinerator/autoclave (or) alternately MoU made with the nearby CBWTF (located within the State/UT) shall be submitted to the respective SPCB/PCC, by all the existing CBWTF operators (whereas the upcoming facilities have to make such arrangement prior to commencement of the facility) so as to include such condition while granting authorization under the BMW Rules, 2016 to the concerned CBWTF operators (vice-versa).

B. Infrastructure set up

The CBWTF shall have enough space within it to install required treatment equipment, untreated and treated waste storage area, vehicle-parking, vehicle and containers washing area, Effluent Treatment Plant (ETP), administration room, or staff room etc. The required area for CBWTF would depend upon the projected amount of bio-medical waste to be handled by it. A CBWTF shall have the following infrastructure:

a) Treatment Equipment Room

A separate housing may be provided for each treatment equipment at the CBWTF such as incinerator room, autoclave room, microwave room etc., as applicable. Each room shall have well-designed roof and walls. Such room shall be well ventilated and easy to wash. The floor and interior finishing of the room shall be such that chances of sticking/harboring of microorganisms are minimized. This can be attained by providing smooth & fine floor and wall surfaces (to a height of 2 meter from floor) preferably of tiles. The number of joints in such surfaces shall be minimal. The equipment room shall also have a separate cabin, to supervise the operation of the equipment and to record the waste handling and equipment operational data attached to each equipment room. There shall be two waste storage rooms, one for storage of untreated waste and another for treated waste and may be located at a distance from each other. The storage room shall have provisions similar to that of equipment room being well-ventilated with easy to wash floors & walls, smooth and fine surfaces etc.

All the treatment equipment rooms and waste storage rooms should be provided with 'fly catcher/killing device.' The room shall be washed and cleaned with a suitable disinfectant every day.

b) Main waste storage space

Separate space shall be provided near the entry point of the CBWTF to unload and store all bio-medical wastes that have been transported to the CBWTF by its own transportation vehicle. The size of the room shall be adequate to store all wastes transported to the CBWTF. The front portion of the room shall be utilized for unloading the wastes from the vehicle and back or side portion shall be utilized for shifting the wastes to the respective treatment equipment. In the front portion of the room where transportation vehicle is parked for unloading, the floor shall be made impermeable so that any liquid spillage during unloading does not percolates into the ground. The liquid generated during handling of wastes and washing, shall be diverted to the inlet of effluent treatment plant (ETP). In the main storage room, wastes shall be stacked with clear distinction as per the color coding of the containers by providing partitions. From here, the colored containers may be sent to the respective treatment equipment by using suitable closed type of conveyance (trolley etc.,). The main storage room too shall have provisions similar to that of equipment room such as roofing, well ventilated, easy to wash floors & walls, smooth and fine surfaces etc.

Apart from the above, a CBWTF should have separate storage provision for storage of mercury bearing waste collected from the member health care facilities as per the procedure given in CPCB guidelines. Mercury storage provision should be provided as per the guidelines issued by CPCB (refer www.cpcb.nic.in). The capacity of the mercury storage provision should be maximum of 90 days and by which the collected mercury bearing waste shall have to be disposed of through a TSDF located nearby following the manifest as per Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016. The charges for collection and disposal of mercury bearing waste shall be collected by the CBWTF from the respective member HCF.

c) Treated waste storage room

Separate space should be provided to store the wastes treated in different treatment units. The wastes shall be stored in separate group as per the disposal options. Other provisions in the room shall be similar to the main storage room. Waste such as incineration ash/vitrified ash generated in the process of incineration respectively shall be stored safely in a separate area under the shed so as to avoid entry of rain water during the monsoon and for easy collection. In case, incineration ash/ vitrified ash is found to be hazardous waste in nature same should be disposed of through any authorized TSDF operator located nearby following the manifest as per Hazardous

and Other Waste (Management and Transboundary Movement) Rules, 2016. In case of a State/UT where TSDF is not available, all the CBWTF operators have to store incineration ash safely as per these guidelines.

d) Administrative Room

This room shall be utilized for general administration, record keeping, billing etc.

e) Generator set

CBWTF shall have a generator set of adequate capacity as standby arrangement for power, with sufficient capacity to run the treatment equipment during the failure of power supply. The generator set shall comply with the necessary requirement as per D.G. Set norms notified under the Environment (Protection) Act, 1986 & CAQM Guidelines.

f) Continuous emission monitoring system (CEMS)

Monitoring provision for continuous monitoring of the incinerator stack emission shall be installed by the CBWTF operators for the parameters stipulated by the respective SPCB/PCC as per the authorization granted under the BMWM Rules, 2016. The CBWTF operators are required to carry out stack emission monitored using continuous emission monitoring system for the flue gas parameters such as PM, CO₂, O₂, CO as well as primary & secondary chamber temperatures, and records maintained. The continuous emission monitoring system for stack emission should be installed as per the guidelines issued by SPCB/PCC/CPCB. Also, the real time continuous stack emission monitoring data is also required to be transmitted to the servers of the respective DPCC as well as CPCB, by all the existing CBWTF operators

g) Vehicle Parking

Provision for parking shall be made within the confines of the site for parking of required number of vehicles, loading and unloading of the vehicles meant for transporting waste to and from the facility, etc. In case of a CBWTF with space constraints, multi-storey parking or a separate provision may be allowed only for parking of vehicles.

h) Display and sign board

An identification board (Display) of durable material and finish shall be displayed at the entrance to the facility. This shall clearly display the name of the facility, owner name, address and telephone number of the operator and the prescribed authority, no. of hours of operation & operational hours, telephone numbers of the personnel to be contacted in the event of an emergency, validity period of authorization as well as total daily waste treated and disposed. Also, sign boards should be provided at all the salient points (untreated waste storage area, treatment equipment, treated waste

storage area, ETP, firefighting equipment) within the facility.

i) Washing Room

A washing room shall be provided for eye washing/hand washing/ bathing etc. for the workers.

j) Site Security

High walls, fencing and guarded gates shall be provided at the facility to prevent unauthorized access to the site by humans and livestock.

k) Fire safety & other safety measures

Fire safety equipment such as sand buckets and fire extinguishers should be provided at all the salient points of the CBWTF including at the diesel storage areas, diesel tanks connected with the incinerator etc. Fire alarm also should be provided within the CBWTF to prompt the workers in the event of any fire hazard. Workers should also be trained in First Aid administration. During the construction or safety measures should be taken as per Government safety guidelines.

l) First Aid Box

First Aid Box with necessary provisions need to be provided at all the salient points within the facility.

m) Green Belt

The open area available within the CBWTF shall be developed into green belt.

n) Website: (as per BMWM Rules, 2016)

All CBWTFs shall develop own website and the upcoming CBWTF shall develop the website prior to the commencement of the facility. The website should be uploaded with relevant information periodically (on monthly basis) especially as detailed below:

- A copy of the Environmental Clearance obtained.
- Copies of the Consents under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 as well as the Authorisation under the BMWM Rules obtained from the SPCB/PCC;
- List of all the member Health Care Facilities with complete address, bedded or non-bedded HCFs, no. of beds, bar code, category-wise average bio-medical waste generation in kg/annum;
- Charges levied on the member Health Care Facilities (HCFs) for treatment and disposal of bio-medical waste;
- Vehicles connected with a provision of GPS as per BMWM Rules and Vehicle-wise route chart for collection, transportation of bio-medical waste from the member HCFs;
- Real time continuous online stack emission monitoring data;

- Daily bio-medical waste collected, received, and treated (Member HCF-wise);
- Monthly details of total waste collected from the member HCFs, total waste treated, and treated recyclable plastic waste or glass waste sold to the parties and final mode of disposal of incineration ash;
- A copy of the annual report submitted to the respective SPCB/PCC;
- Monitoring results of the stack emissions, treated wastewater and incineration ash, as per the frequency stipulated under the BMW Rules;
- List of HCFs (located within the coverage area) with complete address which have not taken membership of the CBWTF for disposal of Bio-medical waste; Contact person, contact telephone number and e-mail addresses of the facility; and.
- Provision to have access to the SPCC/CPCB/MoEF&CC/ MoH&FW especially on GPS, online monitoring system, and the data.

Besides the provisions suggested in the earlier paras, following important provisions should also be made in a CBWTF:

- A telephone shall be provided and maintained at the facility.
- A First Aid Box shall be provided and maintained at the CBWTF.
- Proper lighting shall be provided at the facility.
- Proper care shall be taken to keep the facility and surroundings free from odours.
- Measures shall be implemented to control pests and insects at the site.
- Measures shall be implemented to control the escape of litter from the site.
- Necessary provision shall be made to prevent and control noise generated, if any, due to the activities at the site.
- Necessary protective gear for the waste handlers shall be provided.
- Immunization to all the workers of CBWTF against all the diseases including especially Tetanus and Hepatitis -B as stipulated under the BMW Rules.
- Workers should have provisions such as washing, toilet, and suitable place for eating.
- Workers should also be provided with N-95 mask besides other PPEs such as hand gloves, gumboots, goggles etc.

Every CBWTF operator shall submit a work-plan to the Prescribed Authority. The work-plan should include the details of facilities at the CBWTF, collection, transportation & storage of the bio-medical wastes, operational details etc.

C. Record keeping

Maintenance of records for all operations carried out at the CBWTF is very important to monitor overall operation of the CBWTF. It also helps in submission of the required information to be submitted to the 'Prescribed Authority' by 30th June of every year as per the format prescribed under the BMW Rules or provided by the SPCB/PCC. A well-

maintained record of all the activities at the CBWTF also enables the facility operator to produce all information of the activities on demand of the concerned prescribed authority. The record should include all information relating to each activity at the CBWTF site as per BMW Rules which include accidents occurred (spills, injury, fire accident) and the measures taken and also, however, minimum requirement is outlined below:

a) Records of waste movements

Daily records shall be maintained for the waste accepted and treated waste removed from the site. This record shall include the following minimum details:

- **Waste accepted:** -Records on day-to-day basis shall be maintained with respect to the waste collection date, name of the healthcare unit with bar code, waste category as per BMW Rules, category-wise quantity of waste accepted, vehicle registration number used for collection of bio-medical waste from member health care facilities, time at which waste collected from member HCFs, name of the vehicle driver and his signature and waste receiving date & time (at CBWTF site). Similar information to be acknowledged to the member health care facility by the CBWTF operator on daily basis.
- **Treated waste to be disposed:** -Date, treated waste type, Quantity, vehicle number, disposal as stipulated under BMW Rules.

b) Logbook for the treatment equipment

A logbook shall be maintained for each treatment equipment installed at the site and shall include the following:

- The weight of each batch.
- The categories of waste as per the Rules.
- The time, date and duration of each treatment cycle and total hours of operations.
- The complete details of all operational parameters during each cycle.

Log book to be maintained for operating the rotary incinerator as well as the autoclave as per the formats given in CPCB guidelines.

c) Monitoring and reporting of operations in the CBWTF:

The monitoring of the key operating parameters of treatment equipment provides several benefits. First, monitoring provides the operator with information needed to make decisions on necessary combustion control adjustments. Second, properly maintained monitoring records can provide useful information for identifying

operating trends and potential maintenance problems. Following are the suggested parameters for monitoring of the treatment equipment

- **Monitoring of operating parameters of the incinerator:**

Following operating parameters can be monitored in case of incinerator:

- Waste charge rate.
- Combustion gas temperature in primary and secondary chamber as well as the temperature of the stack exit gas (flue gas).
- Condition of the draft (negative draft in primary chamber).
- Combustion gas oxygen level in primary and secondary chamber as well as stack exit gas.
- Air flow rate through the incinerator.
- Particulate Matter (PM), Carbon-Dioxide (CO₂), Oxygen (O₂), and Carbon Monoxide (CO) level in the flue gas.
- Quantity of auxiliary fuel usage as well as the power consumption (in every batch).
- Pressure drops in the primary chamber and APCD attached with the incinerator and
- Bottom ash or slag quality (for Total Organic Carbon (TOC) as well as loss on ignition and the hazardous constituents (at least once in a quarter).

- **Monitoring of operating parameters of the Autoclave**

Following operating parameters can be monitored during the sterilization using autoclave:

- Time at which sterilization started and time at which sterilization completed.
- Temperature conditions maintained throughout the sterilization
- Conditions of pressure maintained throughout the sterilization
- Duration of sterilization
- Validation test results

Records concerning the above parameters need to be maintained and checked periodically for taking remedial measures during the operation of the incinerator or autoclave. In case of other treatment processes, the operational conditions as well as the efficacy tests to be complied with as per the standards prescribed under the BMW Rules.

- **Frequency of monitoring:**

The CBWTF operator shall carry out following tests through a NABL approved laboratory or a laboratory approved under the Environment (Protection) Act, 1986, as per the frequency stipulated under the BMW Rules or as prescribed by

the SPCB/PCC and record of such analysis results shall be maintained and submitted to the prescribed authority (SPCB/PCC), as suggested below:

- **Liquid effluent:** Parameters such as pH, Suspended Solids, Oil & Grease, BOD, COD, Bio-assay for liquid effluent being discharged from the CBWTF be monitored as per the Consent conditions or once in a quarter and such records maintained and submitted to SPCB/PCC.
- **Stack emission monitoring:** The Stack Emission shall be monitored (under optimum capacity) for parameters such as Particulate Matter, HCl, NO_x, Hg & compounds, and combustion efficiency once in three months as required under schedule II of the Bio-medical Waste Management Rules 2016 (All monitored values shall be corrected to 11% Oxygen on dry basis). In case of dioxins and furans, monitoring should be done once in a year (monitored values shall be corrected to 11% Oxygen on dry basis).
- **Validation test of autoclave/microwave/chemical treatment/dry heat sterilization:** The recommended validation tests for treatment of bio-medical waste using autoclave, microwave, chemical treatment, or dry-heat sterilization are provided below.

Table 1: Recommended Validation Tests for Biomedical Waste Treatment Using Autoclave, Microwave, Chemical Treatment, or Dry-Heat Sterilization

S. No	Type of equipment used for treatment of bio-medical waste	Type of Validation Test	Frequency
(i)	Autoclave	(i) Biological indicator strips or vials Geobacillus stearothermophilus spores with at least 1×10^6 spores),	Once in three months
		(ii) Chemical indicator strip or tape	Each batch of waste treated
(ii)	Microwave	Bacillus atrophaeus spores using vials or spore strips with at least 1×10^4 spores per detachable strip	Recommended: once in three months

(iii)	Chemical treatment followed by shredding	Bacillus Subtilis(ATCC19659)-4 Log ₁₀ reduction or greater	Once in a week
(iv)	Dry heat sterilization	Consistently kill the biological indicator Geobacillus Stearothermophilus or Bacillus Atropheaus spores using vials with at least 6 log ₁₀ spores per ml.	Once in three months
		A Chemical indicator strip or tape	Once in a week

d) Site Records:

Site records shall include the following:

- All the approvals obtained from other concerned departments other than the prescribed authority.
- Details of construction or engineering works;
- Maintenance schedule, breakdowns/trouble shootings, and remedial actions;
- Emergencies;
- Incidents of unacceptable waste received and the action taken; and
- Details of site inspections by the officials of the regulatory authorities, purpose of visits with date and necessary actions initiated on the observations.

Daily, monthly, and annual summary records of all the above shall be maintained and made available at the site for inspection and same submitted whenever required by an authorized official of the concerned regulatory authorities.

D. Collection and transportation of bio-medical waste

The collection and transportation of bio-medical waste shall be carried out in a manner so as to prevent any possible hazard to human health and environment. Collection and transportation are the two operations where the chances of segregated bio-medical waste coming in contact with the public, rag pickers, animals/birds, etc. are high. Therefore, all care shall be taken to ensure that the segregated bio-medical waste handed over by the healthcare units reach CBWTF without any damage, spillage or unauthorized access by public, animals etc. A responsible person from the CBWTF operator shall always accompany the vehicle to supervise the collection and transportation of bio-medical waste.

Also, the private transport vehicles should not be authorized by the SPCBs/PCCs only for transportation of the Bio-medical Waste. The CBWTF operator should be made responsible for collection and transportation of bio-medical waste.

a) Collection of bio-medical waste:

Generator of the bio-medical waste is responsible for providing segregated waste in accordance with the provisions of the Bio-medical Waste Management Rules, 2016, to the CBWTF operator. Dedicated temporary storage at healthcare unit shall be designated. The coloured bags handed over by the healthcare units shall be collected in similar coloured containers with proper cover. Each bag shall be labeled as per Schedule IV of the Bio-medical Waste Management Rules as well as with bar coding system (to be complied by the occupier or operator of a CBWTF as per BMWM Rules) so that at any time, the healthcare units can be traced back that are not segregating the bio-medical wastes as per BMWM Rules. The coloured containers should be strong enough to withstand any possible damage that may occur during loading, transportation or unloading of such containers. These containers shall also be labeled as per Schedule IV of the Rules. Sharps shall be collected in puncture resistant container. The person responsible for collection of bio-medical wastes shall also carry a register with him to maintain the records such as name of the healthcare unit, the type and quantity of waste received, time at which waste collected from the member HCF, signature of the authorized person from the healthcare unit etc. During transportation, the containers should be covered in order to prevent exposure of public to odours and contamination.

b) Transportation of the collected bio-medical waste to the CBWTF:

All the vehicles (only CNG / Electric) used by the CBWTF operator shall not be sub-letter or contract vehicles should not be used by the CBWTF operator. All the vehicles owned by the CBWTF operator and intended only for collection of bio-medical waste from the member health care facilities should be registered under the Motor Vehicle Act with the respective RTO/Transport Department and such vehicle numbers should also be registered with the respective SPCB/PCC for the purpose of collection of bio-medical waste from the member health care facilities. The bio-medical waste collected in designated coloured containers shall be transported to the CBWTF in a fully covered vehicle. Such vehicle shall be dedicated for transportation of bio-medical waste only. Depending upon the volume of the wastes to be transported, the vehicle may be a two or three-wheeler, light motor vehicle, or heavy-duty vehicle. In either case, the vehicle must possess the following:

- Transportation vehicle shall be fitted with GPS to track the movement of the vehicle.
- Separate cabins shall be provided for driver/staff as well as for placing the designated colour coded bio-medical waste containers.

- Two-wheeler registered under the Motor Vehicle Act shall be permitted for collection of bio-medical waste only from the clinics or dispensaries located in places where the lanes are narrow and not easily accessible to four-wheeler vehicles. Such two-wheeler vehicle (s) should have a provision of a suitable fixed waste collection box marked with bio-hazard symbol, contact details, proper lid, emergency spill collection procedure, first aid box and manifest record in accordance with the BMW Rules
- The base of the waste cabin shall be leaking proof to avoid pilferage of liquid during transportation.
- The waste cabin may be designed for storing waste containers in tiers and should be provided with a lighting provision.
- The waste cabin shall be so designed that it is easy to wash and disinfect.
- The inner surface of the waste cabin shall be made of smooth surface to minimize water retention.
- The waste cabin shall have provisions for sufficient openings in the rear and/or sides so that waste containers can be easily loaded and unloaded.
- The vehicle shall be labelled with the bio-hazard symbol (as per Schedule IV of the BMW Rules) and should display the name, address and contact telephone and mobile number of the CBWTF.
- The vehicle driver should carry always valid registration of the vehicle obtained from the concerned transport authority and carry valid 'pollution under control certificate' issued by the authorized certificate issuing agency.
- Depending upon the area to be covered under the CBWTF, the route of transportation shall be worked out. The transportation routes of the vehicle shall be designed for optimum travel distance and to cover all member healthcare units of the CBWTF. The CBWTF operator should ensure online and real time tracking & monitoring provisions (GPS provision) should be given access with passwords to the SPCB/PCC and CPCB to cross check the movement of the transportation vehicles on any time by the DPCC and CPCB. As far as possible, the transportation shall be carried out during non-peak traffic hours. If the area to be covered is very large, a satellite station may be established to store the bio-medical waste collected from the adjoining areas. The wastes so stored at satellite station may then be transported to the CBWTF in a big vehicle. It shall be ensured that the total time taken from generation of bio-medical waste to its treatment, which also includes collection and transportation time, shall not exceed 48 hours.

E. Disposal option of solid waste generated from the CBWTF

Treated plastic waste, incineration ash, treated waste sharps and glass waste, Oil & Grease waste and ETP sludge are generally generated from the CBWTF from the treatment systems such as autoclaving/microwaving, incineration,

chemical disinfection, and effluent treatment plant respectively. The treated bio-medical waste shall be disposed as per the options suggested in the **Table 2** given below:

Table 2: Suggested Disposal option of solid waste generated from the CBWTF

Sl. No.	Treated Waste Category	Suggested Treatment and Disposal Options
1.	Plastic wastes after disinfection and shredding	Plastic waste should not be sent to landfill sites. Plastic waste after disinfection and shredding, is required to be - sent to registered or authorized recyclers (or) - for energy recovery (or) - for diesel or fuel oil recovery (or) - for road making, whichever is possible.
2.	Disinfected Sharps (including needles and syringes)	Treatment by Autoclaving or Dry Heat Sterilization followed by Shredding or mutilation combination of shredding cum autoclaving. Treated sharps needs to be disposed of - by encapsulation in metal container or cements concrete; (or) - sent for final disposal to iron foundries (having consent to operate from the SPCBs/PCCs (or) - Disposal in sanitary landfill; or - Disposal in designated concrete waste sharp pit.
3.	Incineration ash	Incineration ash from incineration of any bio-medical waste shall be disposed through hazardous waste treatment, storage, and disposal facility (TSDF), if toxic or hazardous constituents are present beyond the prescribed limits as given in Schedule-II of the Hazardous and Other Waste Management & Transboundary Movement Rules or as revised from time to time.
4.	Other treated solid wastes like Glass waste	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite treatment) or through autoclaving or microwaving or hydroplaning and then sent for recycling.
5.	Oil & Grease	By Incineration

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6.	ETP Sludge	After drying in sludge drying beds or removal of moisture content using 'Filter Press' and such ETP sludge shall be given to CBWTF for incineration or to the hazardous waste treatment, storage, and disposal facility (HWTSDf) for disposal in Secured Landfill
7.	Hazardous Waste	Disposal through a TSDF located nearby following the manifest as per the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016

The indicative specifications for the plant are as follows:

a) Rotary Incinerator

The CBWTF shall establish only rotary incinerator. Only approved fuel/ electricity should be used for the operating the incinerator.

Type	Controlled Air Gas Fired Rotary Kiln (for Rotary Incinerator)
Rotary Incinerator Capacity	Region 1: 500 kg/hr (1Working+1Standby) Minimum capacity of incinerator to be not less than 500 kg/hr
Secondary chamber- for 2 seconds retention time	Static Solid Hearth
Fuel type	Natural Gas
Temperature of Primary chamber	Minimum 800°C
Temperature of secondary chamber	Minimum 1050°C +/- 50°C, with a capacity to sustain 1400 °C
Control panel	PLC based with SCADA
Chimney of 30 mtrs height	Self-supporting; equipped with necessary monitoring facilities

Incinerator to be equipped with Air pollution Control system comprising dry scrubbing system for emission control to meet the following emission standard:

S no	Parameter	Standards	
1	2	3	4
		Limiting concentration in mg Nm ³ unless stated	Sampling Duration in minutes, unless stated
1	Particulate matter	50	30 or 1NM ³ of sample volume, whichever is more
2	Nitrogen Oxides NO and NO ₂ are expressed as NO ₂	400	30 for online sampling or grab sample
3	HCl	50	30 or 1NM ³ of sample volume, whichever is more
4	Total Dioxins and Furans	0.1ngTEQ/Nm ³ (at 11% O ₂)	8 hours or 5NM ³ of sample volume, whichever is more
5	Hg and its compounds	0.05	2 hours or 1NM ³ of sample volume, whichever is more

Note: The CBWTF should provide adequacy assessment report for the Air Pollution Control Devices (APCD) through CPCB/ DPCC notified institutions.

b) Autoclave

Capacity	The capacity should be: Region 1: 700 kg / batch (1 Working + 1 Standby)
Pressure	15 PSI to 32 PSI or higher
Temperature	121 °C to 134 °C or higher (capable to destroy all the heat-resistant spores as Geobacillus Stearothermophilus or Bacillus Atrophaeus)

c) Shredder

Capacity	Region 1: 700 kg / hr (1 Working + 1 Standby)
Safety Features & Others	Auto Reverse System, VFD (Variable Frequency-Drives) Overload relays, Limit Switch Interlocking, Emergency Stop Button, Manual Reversal Switch

d) Effluent Treatment Plant (ETP)

The ETP (100 KLD Capacity) should ensure compliance with State and Central Pollution Control Board Standards and Guidelines as well as conditions (as applicable) put down in

the Environmental Clearance granted for the CBWTF. The ETP should be preferably Zero Liquid Discharge.

Note: The operating standards of Incinerator, Treatment & disposal standards of Bio-medical waste, standards of Autoclaving, Microwaving, chemical disinfection, dry heat sterilization, sharps sterilization, stack emission standards and waste water discharge standards should be as per the standards prescribed in Schedule II of Bio-medical Waste Management Rules, 2016.

Section-III: Instruction to Bidders

1. Searching for Tender Document

- A. There are various search options built in the Delhi Government Procurement Portal, to facilitate Bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option for advanced search for tenders, wherein the Bidders may combine several search parameters such as Organization Name, Form of Contract, Location, Date, other keywords etc. to search for a tender published on the Portal.
- B. Once the Bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the portal to notify the Bidders through SMS / e-mails in case there is any corrigendum issued to the Tender Document.
- C. The Bidders should make a note of the unique Tender ID assigned to each tender, as it will be required for seeking any clarification or support from the Helpdesk.

2. Preparation of Bid Document

- A. Bidder should take into account any corrigendum published for the Tender Document before submitting their Tender.
- B. Bidder should carefully read the tender advertisement to understand the documents required for submission; any deviation may result in rejection of the bid.
- C. Bidders should prepare all documents in advance, as specified in the tender schedule; documents are generally required in PDF/XLS/RAR/DWF/JPG formats. Scanning at 100 dpi in black & white is recommended to reduce file size.
- D. To avoid repeated uploading of standard documents (e.g., PAN, annual reports, auditor certificates), Bidders may use the "My Space"/"Other Important Documents" section and directly attach these files during submission, saving time in the bidding process.

3. Submission of Bid Document

- A. Tender Document shall be submitted online only at the Government of NCT of Delhi e-Portal (<https://govtprocurement.delhi.gov.in>)
- B. The Bidder must follow the "Instruction for online Tender Document submission" as provided in the Tender Document.
- C. The Bidder has to submit the details of the Company as per Checklist provided at Serial no. 15 of this section of Tender Document.
- D. The Tender Document may be scanned with 100 DPI with black and white option which helps in reducing size of the scanned document.
- E. All the pages of document being submitted must be signed and sequentially scanned by the Bidder irrespective of nature or context of document before uploading.

- F. The intending Bidders are advised to visit Government of NCT of Delhi e-Portal (<https://govtprocurement.delhi.gov.in> and DPCC website www.dpcc.delhi.gov.in (for reference only) regularly till closing date of submission of Tender Document for any corrigendum/ addendum/amendments.
- G. There is no cost of the Tender Document.
- H. The Tender Document will be opened as per as the date/time as mentioned in the Tender Document critical date sheet. The result of qualifying Bidders will be uploaded on the DPCC website as well as CPP Portal.
- I. The “Tender Document” should end with the name and signature of authorized signatory of Bidder along with stamp of Bidder, date, and place. Also, each page of the “Tender Document” should be signed by the authorized signatory of Bidder.
- J. Late submissions or submissions that do not conform to the above requirements will not be considered.
- K. Only one valid DSC should be registered by the Bidders. Please note that the Bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- L. Bidders then log in to the site through the secured login by entering their user ID / password and the password of the DSC / e-Token.

4. Instruction for online Tender Documents submission

- A. Bidders should log into the site well in advance for Tender Document submission so that they can upload the Tender Document in time, i.e., on or before the Proposal Due Date.
- B. The Bidder has to digitally sign and upload the required Tender Documents one by one as indicated in the Tender Document.
- C. The server time (which is displayed on the Bidder's dashboard) will be considered as the standard time for referencing the deadlines for submission of the Tender Document by the Bidder, opening of the Tender Document, and other related events. The Bidder should follow this time during Tender Document submission.
- D. All the documents being submitted by the Bidder shall be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of Tender Document opening. The confidentiality of the Tender Document is maintained using the Secure Socket Layer (SSL) 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any Tender Document that is uploaded to the server is subjected to symmetric encryption using a system-generated symmetric key. Further, this key is subjected to asymmetric encryption using authorized Tender Document openers' public keys. Overall, the uploaded Tender Documents become readable only after the Tender Document opening by the authorized Tender Document openers.

- E. The uploaded Tender Documents become readable only after the Tender Document opening by the authorized Tender Document openers.
- F. Upon the successful and timely submission of Tender Documents (i.e., clicking “Freeze Tender Document Submission” in the portal), the portal will give a successful Tender Document submission message and a Tender Document summary will be displayed with the Tender Document number, and the date and time of submission along with all other relevant details.
- G. The Tender Document summary has to be printed and kept as an acknowledgement of the submission of the Tender Document. This acknowledgement may be used as an entry pass for any tender opening events.

5. Last Date and Time for Submission and Opening of the Tender Document

- A. The Tender Document shall be received online and opened as per the schedule mentioned in the Tender Document (Important Dates).
- B. If the date of opening of the Tender Document falls on a public holiday, the next official working day shall be deemed as the date of opening of the Tender Document.
- C. DPCC may, at its discretion, extend the last date and time for submission of the Tender Document and/or the date and time of opening of the Tender Document by issuing a corrigendum/addendum.
- D. DPCC shall not be responsible for last-minute portal failures

6. Assistance to Bidders

Any queries relating to the process of online Tender Document submission, or queries relating to the e-procurement portal in general, may be directed to the 24x7 Portal Helpdesk at **011-23813523**.

7. Clarifications and Pre-Bid Conference

A prospective Bidder requiring any clarification on the Tender Document may submit their queries and suggestions prior to the last date for receiving queries, as specified in Annexure-3, in MS-Excel format. Only pre-bid queries submitted in the prescribed format shall be considered for response; queries not submitted in the prescribed format will not be responded to.

The Authority shall schedule a pre-bid conference to discuss issues related to the Project with all prospective Bidders. Bidders may raise additional queries during the pre-bid conference. At its discretion, the Authority may also hold further discussions with prospective Bidders to finalize other Project-related issues before submission of Proposals. This shall be common for all Bidders.

The Authority shall respond to all submitted queries on or before the date specified in the Data Sheet. Such responses shall be sent in writing to all prospective Bidders who have applied for the Tender Document and shall qualify as an Addendum. The Addendum shall also be hosted on the website: www.dpcc.delhi.gov.in and [https://govtprocurement.delhi.gov.in](http://govtprocurement.delhi.gov.in)

Bidders are advised that the Authority shall not entertain any deviations from the Tender Document at the time of Proposal submission or thereafter. Proposals shall be unconditional and unqualified, and Bidders shall be deemed to have accepted all terms and conditions of the Tender Document, including the draft Agreement. **Any conditional Proposal shall be considered non-responsive and liable for rejection.**

8. Site Visit & Verification of Information

Bidders are encouraged to submit their Proposals only after visiting the relevant areas of Delhi (hereinafter referred to as the “State”) and verifying, to their satisfaction, the health care facilities, road conditions, traffic, accessibility, applicable laws and regulations, and any other factors that may affect the performance of the Contract.

Bidders are expected to carefully examine the contents of the entire Tender Document. Failure to comply with the requirements of the Tender Document shall be at the Bidder’s own risk and may render the Proposal non-responsive.

9. Modifications / Substitution / Withdrawal of Proposals

The Bidder shall submit the final Proposal by the Proposal Due Date and Time. No Proposal shall be modified, substituted, or withdrawn by the Bidder after submission.

10. Amendment of Tender Document

The Authority may, at its discretion, modify the Tender Document by issuing an Addendum before the Proposal Due Date.

Any Addendum issued shall form an integral part of the Tender Document and shall be communicated in writing (via email/letter) to all prospective Bidders and shall also be hosted on the following websites: www.dpcc.delhi.gov.in and [https://govtprocurement.delhi.gov.in](http://govtprocurement.delhi.gov.in)

To allow Bidders reasonable time to incorporate the Addendum while preparing their Proposals, the Authority may, at its sole discretion, extend the Proposal Due Date.

11. Proposal Validity Period

The Proposal shall remain valid for a period of 12 (Twelve) months from the Proposal Due Date, in line with the validity period of the Bid Security/EMD. During this period, the Bidder shall not withdraw, amend, or modify its Proposal in any manner. The Authority reserves the right to reject any Proposal which does not meet this requirement.

12. Extension of Proposal Validity Period

In exceptional circumstances, prior to the expiry of the original Proposal Validity Period, the Authority may request Bidders to extend the period of validity for a specified additional period, which shall not exceed 90 days from the original Proposal Validity Date. Such request and the Bidder's response shall be made in writing. The Authority reserves the right to reject any Proposal from a Bidder who fails to extend the validity period as per this clause.

The Proposal Validity Period of the Selected Bidder shall be automatically extended until the date on which the Agreement is executed.

13. Right to Accept or Reject Proposal

The Authority reserves the right to accept or reject any or all Proposals, in whole or in part, without assigning any reason, and to take any measure as deemed fit, including annulment of the bidding process, at any time prior to execution of the Agreement, without any liability or obligation.

The Authority may reject any Proposal if:

- A. At any time, a material misrepresentation is made or discovered from the Bidder;
or
- B. The Bidder fails to respond promptly and satisfactorily to requests for supplemental information required for evaluation of the Proposal.

Such rejection or disqualification shall lead to the Bidder being deemed non-responsive. If disqualification occurs after the Financial Bids have been opened and the preferred Bidder is disqualified, the Authority reserves the right to take any action deemed fit, including annulment of the bidding process.

Notwithstanding the above, the Authority may debar or blacklist any Bidder for misleading or false representations in any forms, statements, or submissions, for a

period determined solely by the Authority.

The Authority shall issue the Letter of Award (LoA) to the Selected Bidder for the Project.

The Authority may accept a substantially responsive Proposal that provides provisions equivalent to or better than those specified in the Tender Document, provided such provisions do not constitute a material deviation.

14. Bid Responsiveness

Prior to evaluation, each Bid shall be examined to determine whether it is responsive to the requirements of this Tender Document. A Bid shall be deemed responsive only if:

- A. It is received by the Proposal Due Date.
- B. It is accompanied by the Earnest Money Deposit (EMD) as specified in the Tender Document.
- C. It is accompanied by the Power(s) of Attorney authorizing the signatory of the Bid.
- D. It contains all information requested in this Tender Document, complete in all respects, and submitted in the formats specified.
- E. The Bid is unconditional and not subject to any modifications or qualifications.
- F. Where applicable, it is accompanied by the specific Bank Guarantee for Bidders who have not submitted proof of land possession.
- G. Any Bid failing to meet these criteria shall be considered non-responsive and liable for rejection.

15. Technical Bid

- A. The Technical Bid shall be submitted in the format provided as Annexure-1 of the Tender Document and must be accompanied by all supporting technical literature.
- B. The Bidder shall provide compliance details for all proposed equipment as per the format in Annexure-1.
- C. All required documents shall be scanned and uploaded along with the Tender Document on the e-Portal in accordance with the checklist provided in Annexure-A.
- D. Incomplete bids shall be summarily rejected.

16. Bid Evaluation

- A. The evaluation of Bids shall be carried out under as per Two-Bid System with Technical Qualification and H1 Financial Selection. Bidders shall first be assessed for compliance with the Minimum Eligibility Criteria. Only those meeting such criteria shall be considered for Technical Evaluation.
- B. Eligible Bidders shall be subjected to Technical Evaluation in accordance with the format, parameters, and scoring criteria specified in Section 18(A) Technical

evaluation Criteria. A Bidder must secure a minimum of 60% marks (60 out of 100) in the Technical Evaluation to be declared technically qualified.

- C. Only the Financial Bids of technically qualified Bidders shall be opened and evaluated.
- D. Financial Bids shall be evaluated based on the one-time bidding amount quoted by the Bidder to be paid to DPCC.
- E. The technically qualified Bidder quoting the highest one-time bidding amount (H1) shall be declared the Selected Bidder for the respective region.
- F. In the event that the highest-ranked Bidder (H1) fails to comply with the terms of the Tender or does not commence the work within the stipulated period of 90 days, the EMD shall be forfeited and the offer shall be extended to the next eligible Bidder (H2, and thereafter H3), subject to such Bidder agreeing to match and pay the one-time bidding amount quoted by H1, where such amount is higher than their own quoted bid.
- G. In case a Bidder is ranked as H1 for more than one region, the award shall be made in accordance with the region preference indicated by the Bidder at the time of Tender submission. The remaining region(s) shall be offered to the next highest-ranked eligible Bidder(s) (H2 then H3) accordingly.
- H. In the event of a tie, where two or more technically qualified Bidders quote the same highest bidding amount (H1) for the same region, the Bidder with the higher Technical Score shall be ranked higher and awarded the contract.
- I. Any other exceptional situations not covered above shall be resolved based on the recommendation of the Project Evaluation Committee (PEC), whose decision shall be final and binding.

The detailed process of Tender Document Evaluation is as follows:

S.No.	Step
1	Verification of Earnest Money Deposit (EMD) and applicable Bank Guarantee (BG) submitted by the Bidders.
2	Opening of Technical Bids of those Bidders who have submitted EMD and applicable BG correctly, followed by checking for responsiveness.
3	Only Bids containing all required documents as per the Technical Bid format and satisfying the Minimum Eligibility Criteria shall be eligible for technical evaluation.
4	To facilitate evaluation, the Project Evaluation Committee (PEC) may, at its sole discretion, seek clarifications in writing from any Bidder regarding its Bid.

S.No.	Step
5	Technical evaluation shall be carried out based on the scoring criteria specified in Annexure-1. A Bidder must score a minimum of 60% marks to be considered technically qualified.
6	Opening of Financial Bids shall be done only for those Bidders who are technically qualified.
7	Financial Bids shall be evaluated based on the one-time bidding amount quoted by the Bidder to be paid to DPCC, and the Bidders shall be ranked in descending order, with the highest bidder designated as H1.
8	The technically qualified Bidder quoting the highest one-time bidding amount (H1) shall be declared the Selected Bidder for the respective region.
9	In case a Bidder is declared H1 for more than one region, the award shall be made in accordance with the region preference indicated by the Bidder at the time of Tender submission. The remaining region shall be offered to the next highest-ranked eligible Bidder (H2 then H3) accordingly.

17. Criteria for Tender Document Evaluation

The Tenderer shall be initially scrutinized on the basis of minimum eligibility criteria. The documents required for assessing **Minimum eligibility Criteria for Tender** is as follows:

S. No.	Minimum Eligibility Criteria	Supporting Documents / Details to be provided by the bidder
1	The Bidder should be a registered company in India under Companies Act / society / trust / partnership / proprietorship. In case of Joint Venture (JV), at least one member of the JV should be incorporated under Companies Act / society / trust / partnership / proprietorship.	Company registration certificate of Bidder, including JV members
2	The Bidder can be an Indian / global company but should have a registered office in India.	Proof of registered office in India

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3	The Bidder should have an average turnover of Rs. 05 Crores (Rs. Five Crores) during any three years in last four years (FY 2022-23, 2023-24, 2024-25, 2025-26) preceding the last date of submission of Tender.	Audited financial statements of Bidder including JV Members, along with Chartered Accountant (CA) certificate clearly mentioning year-wise turnover and Annexure-F
4	In case of JV, the lead member turnover should constitute at least 51% of the joint turnover of all members during any three years in last four years.	Supporting documents as per Annexure-F
5	The Bidder shall have a minimum of 3 years of experience in operating and managing a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) during the last 5 years. In Case of a JV, the Lead/ JV member shall meet this criteria. The years of experience of handling & operating CBWTFs shall be considered for one member only in case of JV.	Copy of Authorization/ Consent for handling Bio-Medical Waste issued by concerned SPCB/ PCC; Supporting document showing number of years of experience of Bidder as operator of CBWT
6	The Bidder shall have at least one full-time professional on its payroll possessing a degree/diploma in engineering or environmental science and having minimum 3 (three) years of experience in CBWTF operations. In Case of a JV, the Lead/ JV member shall meet this criteria.	ESI / PF statements, & details as per Annexure-E
7	The Bidder shall possess a minimum of 0.5-acre (single plot or up to two adjacent (contiguous plots) of land (owned or under a registered lease) for setting up the CBWTF in an industrial area. The Bidder should ensure that the land for the proposed facility should be able to meet the environmental safeguards as per EIA notification 2006. Bidders, who do not possess land at the time of bid submission, shall comply with the requisite conditions as stipulated at Point No. 8.	Details of plot/ land/ location/ area as per Annexure-B
8	Bidder should submit documentary evidence showing proof of possession (ownership /	Copy of ownership/ registered lease agreement/ MoU/ Declaration.

	registered lease) in the name of the Bidder / JV member. Alternatively, MoU with landowner / Self Declaration on letterhead to acquire land within 60 days from LoA may be considered.	Address and specifications of land identified are to be provided in Annexure-B .
9	In case of declaration / MoU against proof of Land, an additional Bank Guarantee (BG) of 10% of the approximate project value (₹20 crore excluding land cost and civil works) valid for 120 days from Proposal Due Date shall be submitted.	Scanned copy of Bank Guarantee in prescribed format
10	The Bidder should not have been blacklisted by Central/State Government / SPCB / CPCB / any other government organization. In case of JV, all members shall meet this criterion.	Declaration as per Annexure- D

18. Technical and Financial Evaluation

Only Bidders meeting the minimum eligibility criteria shall be considered for Technical and Financial Evaluation.

A. Technical Evaluation Criteria

The Technical Proposals of eligible Bidders shall be evaluated based on the following criteria. The maximum Technical Score shall be **100 Marks**. Documentary evidence shall be submitted by the Bidder in support of the relevant criteria, failing which marks shall not be awarded.

Sr. No.	Evaluation criteria for technical score		Maximum marks
1	Average Annual Turnover The Bidder shall have an average annual turnover during any three years in the last four financial years (FY 2022-23, 2023-24, 2024-25 and 2025-26), supported by audited financial statements and a Chartered Accountant (CA) certificate.		30
	• Average turnover more than ₹15 Crore	30	
	• Average turnover more than ₹10 Crore and up to ₹15 Crore	20	

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	Average turnover more than ₹5 Crore and up to ₹10 Crore	10													
2	Experience in Operating and Managing CBWTF The Bidder shall have experience in operating and managing a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) during the last five (5) years.		30												
	Minimum 5 years' experience	30													
	Minimum 4 years' or more experience	25													
	Minimum 3 years' or more experience	20													
3	Qualified Technical Manpower The Bidder shall have full-time professionals on its payroll possessing a degree/diploma in Engineering or Environmental Science with minimum three (3) years' experience in CBWTF operations.		15												
	Two or more qualified professionals	15													
	At least one qualified professional	10													
4	Detailed Presentation		25												
	<table><tr><th>S.No.</th><th>Evaluation Criteria for obtaining technical Score</th><th>Maximum Marks</th></tr><tr><td>1</td><td>Infrastructure details as per prescribed CPCB guideline Proposed plant technical design & layout (process flow, equipment integration, emission control systems, waste flow optimization)</td><td>5</td></tr><tr><td>2</td><td>Details of manpower proposed Detailed Training and Awareness Plan</td><td>5</td></tr><tr><td>3</td><td>Proposed project execution methodology and implementation timeline. Proposed Strategy for enforcing legal compliance of BMW Rules (bar</td><td>5</td></tr></table>	S.No.		Evaluation Criteria for obtaining technical Score	Maximum Marks	1	Infrastructure details as per prescribed CPCB guideline Proposed plant technical design & layout (process flow, equipment integration, emission control systems, waste flow optimization)	5	2	Details of manpower proposed Detailed Training and Awareness Plan	5	3	Proposed project execution methodology and implementation timeline. Proposed Strategy for enforcing legal compliance of BMW Rules (bar	5	
	S.No.	Evaluation Criteria for obtaining technical Score		Maximum Marks											
	1	Infrastructure details as per prescribed CPCB guideline Proposed plant technical design & layout (process flow, equipment integration, emission control systems, waste flow optimization)		5											
	2	Details of manpower proposed Detailed Training and Awareness Plan		5											
3	Proposed project execution methodology and implementation timeline. Proposed Strategy for enforcing legal compliance of BMW Rules (bar	5													

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		coding of wastes, GPS tracking, and integration with regulatory portals, and online emission compliance, reporting systems etc.)		
	4	Proposed Environment Management Plan including pollution control systems such as APCD, ETP, stack monitoring, online emission reporting, and compliance with DPCC/CPCB norms Proposed Collection network & transportation plan (GPS-enabled fleet, route planning, compliance with BMWM Rules)	5	
	5	Innovation in the overall approach of setting up, operating the CBWTF including technology, automation, digital monitoring, AI/IoT integration, resource efficiency, safety systems, Training and capacity building	5	
Note: The date and time of the presentation shall be intimated to the eligible Bidders through email.				
Total Maximum Marks				100 Marks

Bidders securing **minimum 60% marks (60 out of 100)** in Technical Evaluation shall be considered technically qualified.

B. Financial Evaluation Criteria

The Financial Proposals of only those Bidders who are declared technically qualified shall be opened and evaluated.

The Financial Evaluation shall be carried out based on the one-time bidding amount quoted by the Bidder to be paid to the Delhi Pollution Control Committee (DPCC), as submitted in the prescribed Financial Bid format.

The technically qualified Bidder quoting the highest one-time bidding amount shall be designated as **H1** and shall be considered for award of the Contract.

All other technically qualified Bidders shall be ranked in descending order of their quoted financial bids as H2, H3, and so on.

No financial scoring or normalization shall be applied, and the selection shall be based solely on the highest quoted amount among technically qualified Bidders.

C. Selection of Bidder

The technically qualified Bidder quoting the highest one-time bidding amount shall be designated as H1 and shall be considered for award of the Contract.

If the highest-ranked Bidder (H1) fails to comply or fails to commence the work within the stipulated period of 90 days, the EMD shall be forfeited and the offer shall be extended to the next eligible Bidder (H2, and thereafter H3), subject to such Bidder agreeing to match and pay the one-time bidding amount quoted by H1, where such amount is higher than their own quoted bid.

19. Decision Making and Notification of Award

- A. DPCC reserves the absolute right to accept or reject any Bid, reject all Bids, or cancel the Tender process at any stage without assigning any reason.
- B. Upon final selection, DPCC shall issue a Letter of Award (LoA) in duplicate to the Selected Bidder.
- C. The Selected Bidder shall sign and return the duplicate copy of the LoA within 7 (seven) days of receipt. Failure to do so shall result in forfeiture of EMD and Security Deposit, and DPCC may consider the next eligible Bidder.
- D. Upon acceptance of the LoA, the Successful Bidder shall proceed to obtain Environmental Clearance and comply strictly with Project Milestones, without seeking deviations.
- E. During the evaluation period, Bidders shall not contact DPCC or its representatives, except as permitted under Tender conditions.

20. Financial Bid

The Financial Bid shall be submitted strictly in the format prescribed in **Annexure-2** and uploaded on the e-procurement portal.

A. Payment terms:

- a) The one-time bidding amount quoted by the Successful Bidder shall be paid in full within 7 (seven) days from the date of issuance of LoA.

- b) Payment shall be made only through RTGS/NEFT/Demand Draft in favour of Delhi Pollution Control Committee (DPCC).
- c) No part-payment, instalments, fixed deposits, or alternative modes of payment shall be permitted.
- d) Failure to make full payment within the stipulated period shall result in:
 - Forfeiture of EMD; and
 - Award of work to the next eligible Bidder.

21. Forfeiture of Bidding Amount

The one-time bidding amount deposited by the Successful Bidder shall be liable for forfeiture under any of the following circumstances:

- A. The Successful Bidder withdraws from the Project after issuance and acceptance of the Letter of Award (LoA)
- B. The Bidder is found to have engaged in any corrupt, fraudulent, coercive, undesirable, or restrictive practice at any stage of the tendering or execution process.
- C. The Bidder withdraws or abandons the contract during the validity period specified in the LoA / Concessionaire Agreement, including any extensions mutually agreed upon.
- D. The Selected Bidder fails to furnish the Performance Security within the time stipulated in the Concessionaire Agreement.
- E. The Selected Bidder signs the Concessionaire Agreement but commits any breach of its obligations before submitting the Performance Security.
- F. The Selected Bidder fails to comply with the Conditions Precedent outlined in the Concessionaire Agreement within the prescribed timelines, including land procurement within 60 days wherever applicable.

22. Performance Security, Liquidated Damages and Penalties

- A. The Successful Bidder shall furnish an interest-free Performance Security equivalent to 6% of the approximate project cost (₹ 20 Crore excluding land cost and civil works) i.e. Rs. 1,20,00,000/- in the form of a Bank Guarantee in the prescribed Bank Guarantee format within 30 (thirty) days from the date of issuance of the Letter of Award (LoA).
- B. The Performance Security shall remain valid for the entire concession/contract period, plus an additional 60 (sixty) days beyond completion of the contract.
- C. In case of delay in achieving project milestones, commissioning, or commencement of operations beyond the stipulated schedule, the Successful Bidder shall be liable to pay Liquidated Damages (LD) to DPCC at the rate of 0.05% per day of delay, subject

to a maximum of 10% of the the One time bidding amount, recoverable first from Performance Security and thereafter from the Bidder through demand notice.

- D. In case of failure to meet prescribed quality standards or emission/effluent norms during trial runs and commissioning, penalties shall be imposed in accordance with applicable laws and directions of the Competent Authority. Continued non-compliance may result in regulatory action, forfeiture of Performance Security, and/or termination of the Agreement.
- E. The Liquidated Damages (LD) and penalties shall, in the first instance, be recoverable from Performance Security. Where the Performance Security is insufficient, the balance amount shall be recoverable from the Successful Bidder through demand notice and shall be payable within the stipulated period. Failure to pay shall entitle DPCC to initiate regulatory measures including suspension of operations, withdrawal of approvals, invocation of additional securities, and/or termination of the Concession Agreement, without prejudice to other legal remedies.
- F. DPCC shall have the absolute right to forfeit the Performance Security, wholly or partly, in the event of:
 - a) Violation of any provision of the Agreement.
 - b) Failure to achieve prescribed milestones.
 - c) Delay beyond permitted limits.
 - d) Environmental or quality non-compliance.
 - e) Any material breach during the concession period.
- G. Performance Security shall be replenished by the Operator in case of any partial invocation.
- H. The imposition of Liquidated Damages and penalties shall be without prejudice to any other rights and remedies available to DPCC under the Agreement, applicable laws, or equity.

23. Key Milestones

Notwithstanding anything mentioned elsewhere in the Tender Document, the Successful Bidder shall strictly adhere to the following milestone schedule. Failure to achieve any milestone shall attract Liquidated Damages (LD) as per Clause 23.

Sr. No.	Description of Milestones	Completion Time including Monsoon Period from the Date of Letter of Award (LOA)
1	Payment of one-time bidding amount to DPCC and acceptance of LOA / signing of Agreement	Within 7 days

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2	Submission of Performance Security (6% of project cost)	Within 30 days
3	Submission of application for Environmental Clearance (CTE to be applied immediately after obtaining EC)	Within 40 days
4	Submission of Basic Engineering Package (BEP) including Design Basis, Process Write-up, Process Calculations, O&M Philosophy, PFD, P&ID, Plant Layout, etc.	Within 40 days
5	Completion of Detailed Engineering: General Arrangement Drawings for Civil Units, Structural Designs, MR & Datasheets for bought-out items, Piping & Conveyor Drawings, Electrical & Instrumentation Drawings	Within 2 months
6	Completion of all Civil Works	Within 10 months
7	Completion of all Mechanical, Electrical & Instrumentation Works	Within 11 months
8	Completion of Trial Run & Commissioning of the entire System	Within 12 months
9	Completion of Guaranteed Performance Runs	Within 12 months
10	Arrangement of CNG/Electric vehicles required for Collection & Transportation of BMW	Within 12 months
11	Operation & Maintenance of the entire Facility	25 years

24. Bonus Reward

If the selected bidder successfully completes trial run and final commissioning within 9 months from LoA, duly certified by DPCC, **10%** of the one-time bidding amount shall be refunded to the bidder.

25. Payments & Fees

Sr. No.	Details	Amount (Rs)	Remarks
1	Earnest Money Deposit (Refundable) in the form of Bank Guarantee valid for 12	₹80 lakh (4% of approximate project cost (₹ 20	To be submitted by all bidders. BG issued by

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	months from the Proposal Due Date	Crore excluding land cost and civil works)	Nationalized/Scheduled Commercial Bank in Favor of Member Secretary, Delhi Pollution Control Committee (DPCC), 3rd Floor, Block-I, DMRC IT Park, Shastri Park, Delhi – 110053
2.	One time Bidding Amount	To be quoted by the bidder	Payable only by the successful bidder. Must be deposited in full within 7 days of issue of LoA through RTGS/NEFT or DD. No instalments permitted.
3.	Performance Security valid for the contract period + 60 days	₹1.20 Crore (6% of approximate project cost (₹ 20 Crore excluding land cost and civil works)	To be submitted as Bank Guarantee within 30 days of LoA, by the successful bidder only. Mandatory for contract signing.
4.	Additional Bank Guarantee (land assurance guarantee) for bidders without documentary proof of land ownership/lease	₹2 Crore (10% of approximate project cost (₹ 20 Crore excluding land cost and civil works)	Applicable only for bidders submitting MoU / declaration / non-ownership documents. BG shall be valid for 120 days from Proposal Due Date.

Section IV: General Condition of the Contract (GCC)

1. General Condition:

- A. A bidder can submit the Tender Document for both Region-1 and Region-2 separately. It is possible that a bidder may be technically qualified for both regions; however, both regions shall not be awarded to the same bidder. The bidder shall clearly mention the preferred region as per Annexure-B, in line with the bid submission for Region-1.
- B. A bidder shall be deemed to have a Conflict of Interest if it holds more than 5% direct or indirect shareholding, controlling rights, management rights, or ownership interest in any other participating bidder. In such cases, both bids shall be treated as disqualified at any stage of evaluation.
- C. Earnest Money Deposit (Refundable) of ₹80,00,000/- is to be submitted via Bank Guarantee valid for 12 months from the Proposal Due Date, in favour of the Delhi Pollution Control Committee (DPCC).
The selected bidder shall also submit a Performance Security of 6% of the approximate project cost in the prescribed format, within 30 days of issuance of LOA, as per the Tender Highlights.
- D. Operator revenue shall be through user charges from HCFs. The prevailing rates being charged from HCFs by CBWTFs can be taken from website of Directorate General of Health Services Govt. of NCT of Delhi (dgehs.delhi.gov.in).
- E. Rates are revised once every year by the Directorate of Health Services. The applicable rates at the time of operation of the proposed CBWTF shall be revised based on the Wholesale Price Index (WPI) or Consumer Price Index (CPI) considering prevailing market conditions (labour costs, diesel, electricity, operations) and finalized by the State Advisory Committee in consultation with DPCC, medical associations, and CBWTF representatives.
- F. The service of collection, transportation, treatment, and disposal of bio-medical waste for Delhi Government health care facilities shall be provided entirely free of cost by the selected bidder.
- G. DPCC shall reserve its right to review/change the allocation of districts to CBWTFs including existing CBWTF at any stage for long term solution for collection, treatment and disposal of Bio-Medical waste irrespective of number of beds covered/catered by CBWTF.
- H. The bidder shall examine carefully all Bid Documents, including the Instructions to Bidders, Submission Requirements, Evaluation Criteria, General Conditions, Technical Specifications, Scope of Work, and any corrigendum/addendum issued. Failure to comply with bid requirements shall be at the bidder's own risk. The Tender Document and Corrigenda shall prevail over the Bid

- I. All bidders are cautioned that no conditional offers, rebates, deviations, or variations shall be accepted. This includes any deviation from the General Conditions, Scope of Work, Technical Specifications, or any requirement of the Tender Document, all of which shall result in the bid being treated as non-responsive.
- J. DPCC shall not bear any capital or operational expenditure for the facility
- K. Rates should be quoted only in Annexure-2, in both figures and words.

2. Conflict of Interest:

A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be summarily disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in the bidding process if:

- A. The Bidder and another applicant have common controlling partners, shareholders holding more than 5%, management control, or key decision-making influence; or
- B. The Bidder has received, or is receiving, any direct or indirect financial subsidy or support from another applicant; or
- C. The Bidder and another applicant are represented by the same legal representative for purposes of this Tender; or
- D. The Bidder has a relationship directly or through common third parties that may allow access to confidential information, influence the bid of another applicant, or influence the decisions of the Authority regarding this Tender; or
- E. The Bidder, its parent company, subsidiary, affiliate, or associate has participated in the preparation of feasibility studies, design, technical specifications, or any stage of project development related to this Tender. In such cases, the Bidder shall not be eligible to participate unless the Authority determines, prior to bid submission, that such involvement does not constitute a conflict of interest; or
- F. The Bidder has participated as a consultant in the preparation of this Tender Document or any part thereof.

3. Confidentiality

Information relating to the examination, clarification, evaluation, and recommendation of Bidders shall not be disclosed to any person not officially concerned with the tender process. The Authority shall treat all information submitted by the Bidder as part of the Proposal in strict confidence and shall require all personnel having access to such information to maintain confidentiality. The Authority shall not disclose any such information except where disclosure is required by law, directed by a statutory authority, or necessary for asserting or enforcing any legal right or privilege of the Authority or any statutory entity, or in connection with any legal proceedings.

4. Prohibited Practices

DPCC requires that all tenderers, suppliers, sub-suppliers, concessionaires, consultants, and sub-consultants maintain the highest standards of ethics during the procurement and execution of the Contract. In pursuance of this policy, DPCC:

- A. Defines “Prohibited Practices” as including the following:
 - a) Corrupt Practice – Offering, giving, receiving, or soliciting, directly or indirectly, anything of value to improperly influence the actions of another party.
 - b) Fraudulent Practice – Any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit, or to avoid an obligation.
 - c) Coercive Practice – Impairing or harming, or threatening to impair or harm, directly or indirectly, any party or its property to improperly influence the actions of that party.
 - d) Collusive Practice – An arrangement between two or more parties designed to achieve an improper purpose, including improper influence on the actions of another party.
 - e) Theft – Misappropriation of property belonging to another party.
- B. DPCC shall reject a proposal for award if it determines that the tenderer, supplier, sub-supplier, concessionaire, consultant, or sub-consultant recommended for award has engaged in any Prohibited Practice in competing for the contract.
- C. DPCC shall reject a proposal for award if it determines that the tenderer or any associated entity has engaged in any Prohibited Practice in the procurement process.
- D. DPCC may declare a firm ineligible, either indefinitely or for a specified period to be awarded any DPCC contract if it determines at any time that the firm has engaged in Prohibited Practices in competing for or executing a contract.
- E. Violations may result in termination, blacklisting, forfeiture of performance security, and legal action

5. Sub-contracting

The Successful Bidder shall not sub-contract the entire Work. However, the Successful Bidder may subcontract specific components of the Work, subject to prior approval of the Authority. Notwithstanding such sub-contracting, the Successful Bidder shall remain solely responsible for ensuring full compliance by all sub-contractors with the terms and conditions of the Contract. The Contractor shall be fully liable for all acts, omissions, defaults, or negligence of any sub-contractor, their agents or employees, as if such acts or omissions were those of the Contractor itself.

6. Labor Laws

The Successful Bidder (Contractor) shall comply with all applicable labour laws, rules, and regulations in force and ensure due payment of wages and all statutory benefits to its employees. The Contractor shall further ensure that all personnel engaged at the Works comply with the applicable safety, health, and welfare regulations. The Contractor shall be solely responsible for any liabilities arising from non-compliance with labour laws, including payment of wages, minimum wages, EPF, ESI, insurance, compensation, gratuity, and any other statutory obligations.

7. Forfeiture of EMD

The EMD shall be **forfeited as damages**, without prejudice to any other right or remedy available to DPCC under the Tender Document or the Concessionaire Agreement, under any of the following circumstances:

- A. If the Bidder does not accept the Letter of Award (LoA) within the stipulated period.
- B. If the Bidder engages in any corrupt, fraudulent, coercive, collusive, undesirable, or restrictive practice.
- C. If the Bidder withdraws, amends, or modifies its Bid during the Bid Validity Period, as specified in the Tender Document or as extended with mutual consent.
- D. In the case of the Selected Bidder, if it fails, within the prescribed timelines:
 - a) to sign and return the duplicate copy of the LoA;
 - b) to execute the Concessionaire Agreement;
 - c) to furnish the Performance Security within the period specified in the Concessionaire Agreement; or
 - d) commits any breach of the Concessionaire Agreement prior to submission of the Performance Security
- E. If the Selected Bidder fails to fulfil any of the Conditions Precedent specified in the Concessionaire Agreement.

8. Deemed Understanding

It shall be deemed that, by submitting a Bid, the Bidder has:

- A. Examined the Bidding Documents thoroughly, including all instructions, conditions, technical requirements, specifications, and any corrigendum/addendum issued by DPCC.

- B. Obtained and reviewed all information sought from DPCC and considered all data relevant to preparation of the Bid and execution of the Project.
- C. Accepted the risk of any inadequacy, error, omission, or ambiguity in the information provided in the Bidding Documents or furnished by or on behalf of DPCC.
- D. Satisfied itself with respect to all matters and conditions necessary for submitting a fully informed Bid and for undertaking and completing the Project in accordance with the Bidding Documents and the Concessionaire Agreement.
- E. Agreed that any inadequacy or incorrectness of information, or ignorance of any matter affecting the Bid or the Project, shall not entitle the Bidder to seek compensation, damages, extension of time, loss of profit, or termination of the Concessionaire Agreement.
- F. Confirmed that it does not have a Conflict of Interest as defined in the Tender Document.
- G. Accepted that all representations, undertakings, and commitments made in the Bid are binding obligations.

Further, DPCC shall not be liable for any omission, mistake, error, or incorrectness in the information provided as part of the Bidding Documents or arising during the Bidding Process, and no claim whatsoever shall be entertained on this account.

9. Force Majeure

- A. Neither the Authority nor the Bidder shall be held responsible for the complete or partial non-performance of any of their obligations under the Contract, if such non-performance is caused by circumstances of Force Majeure. Force Majeure shall include, but not be limited to:
- B. Flood, fire, earthquake, natural calamities, war, acts of terrorism, civil commotion, blockade, riots, epidemics/pandemics, acts of Government or statutory authorities, or any other event beyond the reasonable control of the affected party, arising after the execution of the Contract.
- C. In the event of Force Majeure, the timelines for performance of the affected obligations shall be extended only for the duration of the Force Majeure event and the period reasonably required to overcome its consequences.
- D. The party claiming the inability to perform due to Force Majeure shall notify the other party in writing immediately, but in any case, not later than ten (10) days from the commencement of such event.
 - a) The notice shall specify:
 - b) The nature of the Force Majeure event;
 - c) The obligations affected;
 - d) The estimated duration of the event.

- E. A certificate issued by a competent authority or any other Government-recognized organization shall constitute sufficient proof of commencement and cessation of the Force Majeure event.
- F. If the Force Majeure event continues for a period exceeding six (6) months, either party shall have the right to terminate the Contract, wholly or partially, by issuing thirty (30) days' prior written notice to the other party, without any financial liability, except for:
 - a) Payment for goods, services, or works already delivered in accordance with the Contract; and
 - b) Any obligations expressly stated to survive termination.

Section V: List of Annexure

Annexure-A

CHECKLISTS OF DOCUMENTS TO BE SCANNED & UPLOADED ALONG
WITH “TENDER” ON E-PORTAL

S. No.	Item Description	Yes/No	Remarks
1	Annexure-B: Bidder Details/ Preference of Region		
2	Annexure-C: Details & declaration of Minimum eligibility		
3	Certificate of Incorporation of all Members (in case of JV, for all JV Members)		
4	Copy of PAN of all Members		
5	Copy of GST Registration Certificate		
6	Copy of Valid EPF / ESI Registration		
7	Copy of Labour License of the operating CBWTF (if applicable)		
8	Annexure-D: “Not Blacklisted” Declaration Certificate of all Members		
9	Annexure-E: List of Professionals on Payroll with Qualifications & Experience		
10	Annexure-F: Audited Financial Statements & CA-Certified Turnover for any three years in last 4 financial years (FY 2022-23, 2023-24, 2024-25, 2025-26) (for JV, all members to submit)		
11	Bidder Profile: Company Profile, Contact Details, Background relevant to BMW Operations		
12	Capability Statement (not more than 4 pages) including: A. Experience of operating/establishing CBWTFs B. Site Photographs of Similar Projects (Geotagged)		

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13	Copy of Authorization/Consent for Handling Bio-Medical Waste issued by SPCB/PCC as proof of technical experience		
14	Proof of EMD / Bid Security Submission (Scanned Copy of BG as per prescribed format)		
15	Proof of Possession of Land (any one): A. Ownership document; or B. Registered Lease Agreement $\geq$ 10 years and shall be further extendable; or C. MoU with Landowner / Self-Declaration to acquire land within 60 days of LoA		
16	Annexure-G: Joint Venture (JV) Agreement (if applicable)		
17	Annexure-H: Letter Comprising Bid		
18	Annexure-I: Power of Attorney for Signing of Bid		
19	Annexure-J: Power of Attorney for Lead Member of JV (if applicable)		
20	Annexure-K: Statement of Technical Conformity		
21	Annexure-L: Solvency Certificate (as prescribed)		
22	Annexure-M: Bank Guarantee Format for Bid Security/Performance Security		
23	Annexure-1: Format For Technical Proposal: A. Infrastructure Details B. Technical Specifications C. Proposed Manpower D. Project Management Plan E. Plant Design & Layout F. Collection Network & Vehicle Plan G. Environment Management Plan H. Legal Compliance Strategy I. Training & Awareness Plan J. Innovation and Technology		

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	Integration		
24	Annexure 2: Format For Financial Proposal (One-Time Bidding Amount)		
25	Annexure-3: Format For Submission of Queries on the Tender Document		

Note:

- a) In case of JV, all JV Members must upload their respective documents.
- b) The original EMD / Bank Guarantee must reach DPCC before the last date of submission at

**Member Secretary,
Delhi Pollution Control Committee,
3rd Floor, Block-I, DMRC IT Park,
Shastri Park, Delhi – 110053**

Place:

Date:

Bidder's Company Seal

Authorized Signatory's Signature:

Name & Designation of Authorized Signatory

Annexure-B

BIDDER DETAILS

(To be submitted on the Letter head of the Bidder's Company)

Subject: Bidder Details for the Tender Document for Setting up of Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi.

- A. Name of the region for which Tender is submitted: Region
- B. Preference of Region (If the Bidder is submitting Bids for both Regions):
- a) Preference No. 1- Region
- b) Preference No. 2- Region

S. No.	Information sought	Details to be furnished
1	Name and Registered Address with PIN Code of the Bidding Company	
2	Phone No., Mobile No., Email ID, Website of the Company	
3	Incorporation Status of the Firm (Public Ltd./ Private Ltd./ Partnership/ Proprietorship/ LLP, etc.)	
4	Date of Incorporation (Attach Certificate of Incorporation)	
5	Year of Establishment	
6	Date of Registration	
7	ROC Reference Number	
8	Details of Company Registration (CIN/ Registration No.)	
9	Details of Registration with Statutory Authorities (GST, PAN, EPF/ESI, etc.)	
10	Key Persons of the Company – Name, Designation, Address, Email, Phone No., Mobile No.	
11	Authorized Signatory – Name, Designation, Address, Email, Phone No., Mobile No.	

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12	Complete Address of the Proposed CBWTF Site with PIN Code (Applicable for Bidders who possess land under the Ownership/Registered Lease/MoU)	
13	Details of Land/Plot Available with Bidder – Area, Plot Dimensions, Site Layout/Key Plan; Proof of Possession {Applicable for Bidders who possess land under the Ownership/Registered Lease/MoU}	
14	Number of Years of Experience as CBWTF Operator with Supporting Documents	

Declaration

As on the date of signing, the information furnished in all parts of this form is true, correct, and complete to the best of knowledge and belief.

Place:

Date:

Bidder's Company Seal

Authorized Signatory's Signature:

Name & Designation of Authorized Signatory:

Annexure-C**MINIMUM ELIGIBILITY DECLARATION**

S. No.	Particulars	Details
1.	Is the Bidder / JV Member registered under Companies Act / Society / Trust / Partnership / Proprietorship?	Yes / No (tick appropriate option)
	Please specify the type of registration	
	Year of registration.	
2.	Is the Bidder an Indian Company?	Yes / No
	Please specify the Registered office address in India.	
3.	Is the Bidder's average turnover for any 3 years in last 4 Financial Years (FY) $\geq$ ₹5 crore?"	Yes / No
	Please specify the Turnover of Bidder for:	
	FY 2022-23	
	FY 2023-24	
	FY 2024-25	
	FY 2025-26	
4.	Is the Bidder providing audited financial statements of all JV Members for any 3 years in last 4 Financial Years?	Audited Statements Provided: Yes / No
	Does the Lead Member hold minimum 51% of the joint turnover?	Yes / No
5.	Does the Bidder / JV Member have minimum 3 years' experience in the last 5 years in operation of CBWTFs?	Yes / No
	Please specify number of years of experience.	
6	Does the Bidder / JV Member have at least one professional on payroll with:	Yes / No
	A. Degree/Diploma in Engineering or Environmental Science	
	B. Minimum 3 years' experience in CBWTF operations	
	Please provide:	
	A. Name of Professional:	
	B. Experience (Years):	
7.	Does the Bidder have minimum 0.5 acre of land (owned or under registered lease) in an industrial area for Setting up the CBWTF?	Yes / No (tick appropriate option)

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	Please Specify area in acres. (As per IS: 786-1967 Conversion factor 0.5 acre = 2420 square yards)	
	Has Bidder submitted documentary proof of possession of land?	Yes / No
8.	Specify submitted document: A. Ownership document B. Registered lease $\geq$ 10 years and shall be further extendable C. MoU with the landowner or a self-declaration on the Bidder's letterhead committing to procure the required land within 60 (Sixty) days	
9.	Has the Bidder / any JV member ever been blacklisted by Central/State Govt., SPCB/PCC, CPCB, or any government organization?	Yes / No

Declaration

As on the date of signing, the information furnished in all parts of this form is true, correct, and complete to the best of knowledge and belief.

Place:

Date:

Bidder's Company Seal

Authorized Signatory's Signature:

Name & Designation of Authorized Signatory:

Annexure-D

DECLARATION OF NON-BLACKLISTING

(To be submitted on the Letterhead of the Bidder)

To:

The Member Secretary
Delhi Pollution Control Committee
3rd Floor, Block-I, DMRC IT Park,
Shastri Park, Delhi – 110053

Subject: Declaration of Not Being Blacklisted – Tender for Setting up of CBWTF in Region.....

Sir,

We hereby confirm that our company has never been blacklisted, debarred, or involved in any corrupt, fraudulent, coercive, collusive, undesirable, or restrictive practices by any Central Government Department, State Government Department, Public Sector Undertaking, State Pollution Control Board / Pollution Control Committee, Central Pollution Control Board, or any other central/state/local government authority or agency.

We further confirm that our company has never been involved in any corrupt, fraudulent, coercive, collusive, undesirable, or restrictive practices, and no such proceedings are pending against us with any authority.

We declare that the information furnished by us in this regard is true and correct to the best of our knowledge, and we understand that if this declaration is found to be false, our bid is liable to be rejected and appropriate action may be taken by DPCC.

Place:

Date:

Bidder's Company Seal

Authorized Signatory

(Signature)

Name:

Designation:

*Note: Power of Attorney authorizing the signatory must be submitted as per **Annexure-I***

Annexure- E

DETAILS OF PROFESSIONALS ON PAYROLL OF BIDDER

(As per Minimum Eligibility Criteria)

S.No.	Name of Professionals	Designation in the Organization	Educational Qualification (Degree/Diploma)	Total Years of Experience in Operation of CBWTF	Supporting Documents Attached (Yes/No)

Instructions:

1. The Bidder must provide details of professionals on their payroll as per eligibility requirement.
2. At least one full-time professional on its payroll possessing a degree/diploma in engineering or environmental science and having minimum 3 (three) years of experience in CBWTF operations. In Case of a JV, the Lead/ JV member shall meet these criteria.
3. Supporting documents may include appointment letter, EPF/ESI proof, qualification certificate, experience certificate, etc.

Place:

Date:

Bidder's Company Seal

Authorized Signatory's Signature:

Authorized Signatory's Name and Designation:

Annexure-F

AUDITED FINANCIAL STATEMENTS & TURNOVER CERTIFICATE

(To be submitted on the Letterhead of a Chartered Accountant)

Information from Audited Financial Statements (during any 3 years in last 4 years)

	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Total Revenue (₹)*				
Profit Before Taxes (₹)				
Profit After Taxes (₹)				

*** Note:**

- Average annual turnover for any 3 years in last 4 financial years must be $\geq$ ₹5 Crore as per the Minimum Eligibility Criteria.
- In case of JV, each member must upload audited statements, and the Lead Member must hold minimum 51% of the combined turnover.

Certification (To be issued by Chartered Accountant)

This is to certify that the above financial information has been extracted from the audited financial statements of M/s _____ for the respective financial years mentioned above.

CA Name:

Membership No.:

UDIN:

Firm Registration No.:

Seal & Signature of Chartered Accountant

Date:

Place:

Note: Upload the Chartered Accountant Certificate and audited statements separately on the e-portal.

Annexure-G

JOINT VENTURE (JV) AGREEMENT

(Shall be executed on appropriate stamp paper and notarized)

This Joint Venture Agreement is executed on this ___ day of ____, 2026 between:

1. M/s _____,

A Company / Partnership Firm / Sole Proprietorship registered under the laws of _____, having its Registered Office at _____ (hereinafter referred to as the “**Lead Member**”, which expression shall include its successors and assigns);

AND

2. M/s _____,

A Company / Partnership Firm / Sole Proprietorship registered under the laws of _____, having its Registered Office at _____ (hereinafter referred to as the “**Second Member**”, which expression shall include its successors and assigns);

AND (if applicable)

3. M/s _____,

A Company / Partnership Firm / Sole Proprietorship registered under the laws of _____, having its Registered Office at _____ (hereinafter referred to as the “**Third Member**”, which expression shall include its successors and assigns).

The Lead Member, Second Member, and Third Member shall collectively be referred to as the “JV Members” for submitting a Bid to the Delhi Pollution Control Committee (DPCC) (hereinafter referred to as the “Owner”) for the Tender for Setting up a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Region-____, Delhi.

WHEREAS:

- A. DPCC’s Bid conditions permit a Joint Venture of up to three (3) members, subject to meeting minimum eligibility criteria.
- B. The JV as a whole must meet the minimum eligibility criteria specified in the Tender Document, including:
 - a) Minimum average turnover of ₹ 5 crore during any 3 years in last 4 financial

- years (collectively for the JV).
- b) Lead Member must hold minimum 51% of the aggregate turnover of the JV.
 - c) Minimum 3 years' experience in CBWTF operations during the last 5 years (any single member or combined).
 - d) Availability/possession of minimum 0.5-acre land (owned or leased). {applicable for bidders who possess land}. Alternatively, a valid registered MoU with the land owner or a self-declaration on bidder's letterhead committing to procure the required land within 60 days from the date of issuance of Letter of Award (LoA) {applicable for bidder who does not possess land}
 - e) All eligibility and documentary requirements listed in Annexure-A.
- C. All JV Members shall authorize the Lead Member through a Power of Attorney (as per Annexure-J) to act on behalf of the JV in all matters related to the Bid, LOA, Agreement execution, and performance.
- D. The JV Members agree to be jointly and severally responsible for execution of the entire obligations under the Contract and the Concession Agreement.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

A. Formation of JV

The Members hereby form an irrevocable Joint Venture for the purpose of submitting a Bid to DPCC and, if selected, for executing the Contract for establishment, operation and maintenance of the CBWTF as per Tender conditions.

Lead Member

M/s _____ shall act as the Lead Member and shall be authorized to:

- a) Submit the Bid and all documents on behalf of the JV.
- b) Receive instructions from DPCC.
- c) Sign and execute the Concession Agreement.
- d) Furnish the required Performance Security (6% of Project Cost).
- e) Coordinate and supervise overall project execution.

B. Joint and Several Liability

All Members jointly and severally undertake to:

- a) Perform and fulfil all obligations under the Contract.
- b) Make good any losses or damages suffered by DPCC due to breach, non-performance or shortfalls.

- c) Ensure compliance with technical, financial, legal and operational requirements. DPCC is free to proceed against any or all JV Members for enforcement of obligations.
- d) All JV members shall be jointly and severally liable for obligations under the tender

C. Financial Liabilities

The liability of JV Members is unlimited w.r.t. project obligations and shall not be restricted by internal JV arrangements.

D. Default by Any Member

Failure of any Member shall be deemed a failure of the entire JV. DPCC shall be entitled to initiate corrective or punitive action including termination.

E. Governing Law & Jurisdiction

This Agreement shall be governed by the laws of India. Exclusive jurisdiction shall lie with Courts/Tribunals in NCT of Delhi.

F. Performance Security

Upon award of LOA, the Lead Member shall furnish the Performance Bank Guarantee of 6% of the Project Cost as required under the Tender document.

G. BG for Land Documentation (if applicable)

If any JV Member has submitted a MoU/Declaration instead of land ownership/lease documents, the JV shall furnish the required 10% BG for land documentation compliance as per tender provisions.

H. Validity of Agreement

This JV Agreement shall remain irrevocable and valid until all contractual obligations under the Concession Agreement are fully discharged.

I. Other Provisions

- a) Capitalized terms not defined here shall have the meaning assigned in the Tender Document.
- b) Any dispute among JV Members shall not affect the contractual obligations towards DPCC.

IN WITNESS WHEREOF:

Lead Member

Signature: _____

Tender Documentfor Setting up and Operating of CBWTF in Region 1 of Delhi

Name: _____
Designation: _____

Second Member

Signature: _____
Name: _____
Designation: _____

Third Member (if applicable)

Signature: _____
Name: _____
Designation: _____

Witness 1:

Signature: _____
Name: _____
Address: _____

Witness 2:

Signature: _____
Name: _____
Address: _____

Annexure-H

LETTER COMPRISING BID

(To be submitted on the Letterhead of the Bidder / Lead Member in case of JV)

To:

The Member Secretary,
Delhi Pollution Control Committee
3rd Floor, Block-I, DMRC IT Park,
Shastri Park, Delhi – 110053

Subject: Selection of Service Provider to Build, Operate and Maintain a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi for collection, transportation, treatment and disposal of Bio-Medical Waste for the NCT of Delhi.

Dear Sir,

With reference to your Bid Document number _____ dated _____, I/We, having examined the Bidding Documents and fully understood their contents, hereby submit my/our Bid for the aforesaid Project. The Bid is unconditional and unqualified.

I/We acknowledge that DPCC will rely on the information furnished in this Bid and its supporting documents for the purpose of evaluation and selection of the Concessionaire, and we confirm that the information provided is true, correct and complete in all respects.

1. This Bid is submitted for the purpose of selection as the Concessionaire for the design, engineering, supply, development, financing, construction, operation and maintenance of the CBWTF for a period of 25 years.
2. I/We shall provide any additional information required by DPCC to supplement or authenticate this Bid.
3. I/We acknowledge DPCC's right to reject our Bid without assigning any reason and hereby waive any right to contest such decision to the extent permitted by law.
4. I/We certify that during the last three years, neither we nor any Consortium Member nor our Associates have been expelled from any project or had any contract terminated by any public authority for breach of obligations.
5. I/We declare that:
 - A. We have examined the entire Bid Document including all addenda and have no reservations.
 - B. We do not have any Conflict of Interest as defined in the Bid Document.
 - C. We have not engaged in any corrupt, fraudulent, coercive, collusive, undesirable or restrictive practice as specified under "Prohibited Practices".

- D. No person acting on our behalf has engaged in any of these practices.
- E. All declarations submitted during pre-qualification remain true as on the Bid Due Date.
6. I/We understand that DPCC may cancel the bidding process at any stage without any obligation to accept any Bid or award the project.
 7. I/We certify that neither we nor any of our Consortium Members or Associates are members of any other Consortium participating in this Bid.
 8. I/We certify that we/our Consortium Members/Associates have no convictions or adverse regulatory orders that may affect eligibility.
 9. I/We certify that no investigations are pending against us, our Consortium Members, our Associates, our CEO, Directors or key employees.
 10. I/We undertake to inform DPCC immediately if any circumstances change leading to disqualification.
 11. I/We irrevocably waive any right to challenge decisions taken by DPCC regarding the selection process.
 12. In the event of being selected as the Successful Bidder, I/We agree to execute the Concession Agreement without seeking any alteration.
 13. I/We understand that except to the extent explicitly stated in the Concession Agreement, DPCC shall bear no responsibility for any information provided during the Bidding Process.
 14. I/We hereby offer an EMD of ₹80,00,000/- (Rupees Eighty Lakh only) in the form of Bank Guarantee valid for 12 months, as per the Bid Document.
 15. I/We understand that our Bid may be rejected if the EMD or submitted BG is found non-compliant in any manner.
 16. I/We agree that the Bid shall remain valid for 12 months from the Bid Due Date.
 17. Our Financial Bid, as per Annexure-2, has been uploaded separately.
 18. In case of a Consortium, we agree to be jointly and severally liable for all obligations under the Concession Agreement till Financial Close.
 19. In witness whereof, I/We submit this Bid in accordance with the terms of the Bid Document.

Yours faithfully,

(Signature)

Name:

Designation:

(Authorized Signatory)

For:

(Name and Seal of Bidder / Lead Member in case of JV)

Annexure-I

POWER OF ATTORNEY FOR SIGNING OF BID

Know all men by these presents, that we, _____
(Name of the Firm / Company and Address of the Registered Office), do hereby irrevocably constitute, nominate, appoint and authorize Mr./Ms. _____,
son/daughter/wife of _____, *presently residing at _____, and
presently employed with us / with the Lead Member of our Consortium, holding the position of*
*** _____ ***, as our true and lawful Attorney (hereinafter referred to as “the Attorney”), to do in our name and on our behalf all such acts, deeds and things as are necessary or required in connection with or incidental to the submission of our Bid for:

“Selection of a Service Provider to Build, Operate and Maintain a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi for collection, transportation, treatment and disposal of Bio-Medical Waste for the NCT of Delhi” proposed to be developed by the Delhi Pollution Control Committee (DPCC) (the “Implementing Agency”), including but not limited to:

1. Signing and submission of all applications, bid documents, clarifications, responses and other writings.
2. Participating in pre-bid meetings and other conferences.
3. Providing information / clarification to DPCC.
4. Representing us in all matters before DPCC.
5. Signing and execution of all contracts including the Concession Agreement and all undertakings consequent to acceptance of our Bid.
6. And generally dealing with DPCC in all matters in connection with or relating to or arising out of our Bid for the said Project, and/or upon award thereof, and/or until execution of the Concession Agreement with the Concessional Authority.

We hereby agree to ratify and confirm all acts, deeds and things lawfully done by our said Attorney pursuant to this Power of Attorney and all such acts, deeds and things shall be deemed to have been done by us.

IN WITNESS WHEREOF, we, the above-named Principal, have executed this Power of Attorney on this ___ day of _____, 2026.

For and on behalf of _____

(Signature with Name, Designation and Seal)

Name:

Designation:

Address:

Witnesses

1. **Signature:**

Name:

Address: _____

2. **Signature:**

Name:

Address: _____

Accepted

(Signature of the Attorney)

Name:

Designation:

Address:

Notes:

1. The execution of this Power of Attorney shall be in accordance with the charter documents and applicable laws of the executing entity.
2. Where required, bidders shall submit supporting documents such as Board Resolution / Authority Letter in favour of the person issuing this Power of Attorney.
3. Power of Attorney executed outside India shall be legalized by the Indian Embassy / notarized as per applicable law. Apostille certificate will suffice for countries under The Hague Convention, 1961.

Annexure-J

POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM/ JV

Whereas the **Delhi Pollution Control Committee (DPCC)** (hereinafter referred to as the "Implementing Agency") has invited applications for the *"Selection of a service provider to Build, Operate and Maintain a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi for collection, transportation, treatment and disposal of Bio-Medical Waste for the of NCT of Delhi"* (hereinafter referred to as the "Project").

Whereas

M/s _____, having its registered office at _____, and

M/s _____, having its registered office at _____, and

M/s _____, having its registered office at _____,

(Collectively referred to as the "Consortium") are interested in submitting a Bid for the Project in accordance with the terms and conditions of the Bid Document.

Whereas it is necessary for the Members of the Consortium to designate one of them as the **Lead Member**, with full authority to act for and on behalf of the Consortium in all matters relating to the Bid and execution of the Project. *(Note -Delete Member-3 row if JV has only two members.)*

NOW THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

We, the undersigned Members of the Consortium, having our registered offices as stated above, do hereby **irrevocably designate, nominate, constitute, appoint, and authorize:**

M/s _____, having its registered office at _____, as the **Lead Member** and our **true and lawful Attorney** (hereinafter referred to as the "Attorney").

We hereby irrevocably authorize the Attorney (with power to sub-delegate) to conduct all business for and on behalf of the Consortium in matters relating to the Bid, including but not

limited to the following:

1. signing and submission of all applications, bids, documents and other writings;
2. participating in pre-bid meetings and conferences;
3. responding to queries and furnishing additional information as required;
4. representing the Consortium in all dealings with DPCC and/or any Government authority;
5. signing and executing all contracts, undertakings, and documents including the Concessionaire Agreement, upon award of the Project;
6. performing all acts, deeds, and things necessary or incidental to the Consortium's Bid and execution of the Project.

We hereby agree to **ratify and confirm** all acts, deeds and things done by our said Attorney in exercise of the powers conferred under this Power of Attorney, as if done by the Consortium itself.

IN WITNESS WHEREOF, we, the principals above named, have executed this Power of Attorney on this __ day of ____, 2026.

For and on behalf of Lead Member

(Authorized Signatory of Lead Member)

Signature: _____

Name: _____

Designation: _____

Company Seal

For and on behalf of Consortium Member-2

Signature: _____

Name: _____

Designation: _____

Company Seal

For and on behalf of Consortium Member-3 (if applicable)

Signature: _____

Name: _____

Designation: _____

Company Seal

Witnesses:

1. **Signature:** _____ **Name:** _____

Tender Document for Setting up and Operating of CBWTF in Region 1 of Delhi

Address: _____

2. **Signature:** _____ **Name:** _____

Address: _____

(To be executed by all Members of the Consortium)

Notes:

1. The mode of execution shall comply with applicable laws and charter documents of the executants. Where required, the Power of Attorney shall be executed under the common seal.
2. Relevant extracts of charter documents, board/shareholder resolutions or other authorizing documents shall be furnished for verification.
3. For a Power of Attorney executed overseas, legalization by the Indian Embassy and notarization shall be required. However, for countries covered under *The Hague Apostille Convention, 1961*, apostille shall be sufficient.

Annexure-K

STATEMENT OF TECHNICAL CONFORMITY TO BE ISSUED BY THE TENDERER

(To be submitted on the Letterhead of the Tenderer)

We, _____

(Name of the Tenderer), having submitted our Bid for:

“Selection of a Service Provider to Design, Build, Own and Operate a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) at Delhi for collection, transportation, treatment and disposal of Bio-Medical Waste for the NCT of Delhi”,

hereby confirm the following:

1. We have examined the complete Bid Document, including all instructions, conditions, technical specifications, scope of work, corrigenda and addenda issued by DPCC.
2. Our Technical Proposal, including all designs, drawings, specifications, equipment details, manpower details, project management plan, operational plan, environmental management plan, and all related submissions, is in *total and unconditional conformity* with the requirements of the Bid Document.
3. We hereby declare that our Bid contains *no deviations whatsoever* from any provision of the Bid Document, including technical specifications, performance requirements, applicable Acts/Rules, or any statutory obligations.
4. We agree to execute the entire work covering Basic Design, Detailed Engineering, Civil Construction, Supply of Mechanical and Electrical Equipment, Piping and Appurtenances, Instrumentation, Installation, Erection, Testing, Commissioning, and Operation & Maintenance for a minimum period of 25 (Twenty-Five) years, strictly as per the Bid Document.
5. We undertake that all equipment, plant components, vehicles (CNG/Electric) manpower deployment, safety provisions, environmental safeguards, and operational procedures shall fully comply with the Technical Specifications and Rules notified under the Bio-Medical Waste Management Rules, 2016 (as amended).

We hereby submit this Statement of Technical Conformity as part of our Technical Bid.

Signature of Tenderer with Seal

Name: _____

Designation: _____

Authorized Signatory

Date: _____

Place: _____

Annexure-L

FORMAT FOR SOLVENCY CERTIFICATE

(To be issued by a Nationalized or Scheduled Commercial Bank only)

Reference No. _____

Dated: _____

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s _____ having their office at _____ .They are regular customers of our bank and are solvent to an extent of Rs. _____ (Rupees _____ only). The conduct of their account is good.

This certificate is issued without any risk or responsibility on the part of this Bank or any of its officials in any respect whatsoever, including as guarantor or otherwise. The certificate is issued at the specific request of the customer.

(Signature, Name & Designation of issuing authority with Seal)

Note:

As per the Tender Document, the bidder shall submit a Solvency Certificate of minimum ₹ 5 crore.

Annexure-M

FORMAT OF BANK GUARANTEE TOWARDS SECURITY DEPOSIT

(To be executed on Non-Judicial Stamp Paper of appropriate value)

(To be issued by any Scheduled Commercial Bank)

Bank Guarantee No.	
Issue Date	
Amount- Rs.	
Expiry Date	
Claim period	Up to 6 months after expiry

In consideration of Delhi Pollution Control Committee (DPCC), 3rd Floor, Block-I, DMRC IT Park, Shastri Park, Delhi – 110053(hereinafter called “the Buyer” / “DPCC”), having agreed to exempt M/s _____, having its registered office at _____ (hereinafter called “the Party”), from depositing the Security Deposit as stipulated in the Tender Document and the Letter of Award / Contract Agreement for “Setting up of a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) at Region-_____, Delhi” (hereinafter referred to as “the said Contract”), on production of a Bank Guarantee for Rs. _____ (Rupees _____ only), we, M/s _____ Bank Ltd., (hereinafter referred to as “the Bank”), do hereby undertake to pay DPCC an amount not exceeding **Rs.** _____ against any loss or damage caused to or suffered by DPCC by reason of any breach by the Party of the terms and conditions of the said Contract.

1. Payment on Demand

We, _____ Bank Ltd., do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a written demand from DPCC, stating that the amount claimed is due by way of loss or damage caused or likely to be caused to or suffered by DPCC by reason of breach of the Contract

by the Party.

Such demand shall be final, conclusive and binding on the Bank.

2. Enforceability

We further undertake that this Guarantee shall remain in full force and effect during the entire period for which Security Deposit is required under the Tender Document and the Contract Agreement, and shall continue to be enforceable until:

- A. all obligations of the Party under the Contract have been fully discharged; or
- B. DPCC certifies satisfactory completion and compliance;

whichever is later.

Unless a written demand or claim under this Guarantee is received on or before _____ (expiry date), the Bank shall be discharged from all liabilities thereafter.

3. No Effect of Variations

We further agree that any extension of time, modification, variation, indulgence, forbearance, or any alteration in the terms of the Contract made by DPCC with the Party shall **not** in any way release the Bank from its liabilities under this Guarantee. This Guarantee shall remain valid and enforceable notwithstanding any such variations.

4. Irrevocability

We undertake **not to revoke** this Guarantee during its currency except with the prior written consent of DPCC.

5. Limitation of Liability

Notwithstanding anything contained herein:

- a) The liability of the Bank under this Guarantee is restricted to **Rs.** _____ only.
- b) This Guarantee shall remain valid up to _____ (expiry date).
- c) Unless a claim is made within six (6) months after the expiry date, all rights under this Guarantee shall stand forfeited and the Bank shall be discharged from all liabilities.

For and on behalf of

_____ **Bank Ltd.**

(Authorized Signatory)

Name: _____

Designation: _____

Office Address: _____

Place: _____

Date: _____

Annexure -N

**SELF-DECLARATION ON LAND PROCUREMENT & COMPLIANCE WITH
LAND REQUIREMENTS**

(To be submitted on the Letterhead of the Bidder)

Date:

To,
Member Secretary
Delhi Pollution Control Committee (DPCC)
3rd Floor, Block-I, DMRC IT Park,
Shastri Park, Delhi – 110053

Subject: Declaration regarding Procurement/Availability of Land for Setting up CBWTF

Sir,

With reference to the Tender for “Selection of a Service Provider to Build, Operate and Maintain a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Region-___, Delhi”, I/We hereby submit this declaration as required under the Tender Document:

1. Commitment to Procure Land within Sixty (60) Days

I/We hereby declare that in the event of being awarded the contract, I/We shall procure the required land for setting up the CBWTF within Sixty (60) days from the date of issuance of the Letter of Award (LoA).

2. Declaration by Bidders Not Owning Land (If Applicable)

(Select whichever is applicable and strike off the other)

A. Option A – Land Already Owned / Under Registered Lease

I/We have ownership / registered lease of land suitable for setting up the proposed CBWTF, and supporting documents are enclosed.

B. Option B – Land Not Owned (Self-Declaration on Bidder’s letterhead)

I/We presently do not own the required land and hereby submit the following as mandated:

C. Details and complete address of the identified land/plot proposed to be procured/leased:

Address: _____

Plot area (in acre): _____

Tender Document for setting up CBWTF in Region 1 of Delhi

- D. Land type / Industrial zone classification: _____ We undertake to submit an additional Bank Guarantee equal to 10% of the approximate project cost, valid for 120 days from the Proposal Due Date, in accordance with the Tender provisions.

We further undertake to submit the registered lease agreement of minimum 10 years and shall be further extendable (or as required under tender conditions) within 60 days from the issuance of the LoA.

3. Minimum Land Requirement Compliance

I/We hereby confirm that the land to be procured/leased shall:

- A. Measure not less than 0.5 acre,
- B. Consist of a single plot or up to two adjacent (contiguous) plots ,
- C. Be located within an industrial area , and
- D. Comply with the environmental safeguards as per EIA notification 2006.

4. General Declaration (Applicable to All Bidders)

I/We fully understand that failure to procure or lease the land within the stipulated timeline shall constitute a material breach of tender conditions and may result in:

- A. Forfeiture of EMD,
- B. Forfeiture of additional BG (if applicable),
- C. Cancellation of the Letter of Award, and
- D. Any further action as deemed appropriate by DPCC.

I/We hereby certify that the information furnished above is true and correct to the best of my/our knowledge and belief

Authorized Signatory

Signature:

Name:

Designation:

Bidder's Company Seal:

Address:

Email:

Contact No.:

Annexure-0

BANK GUARANTEE FORMAT FOR LAND-ASSURANCE GUARANTEE

(10% of Approximate Project Cost)

(To be executed on Non-Judicial Stamp Paper of Appropriate Value)

Bank Guarantee No.	
Issue Date	
Amount- Rs	
Expiry Date	
Claim period	Up to 6 months after expiry

This Bank Guarantee is issued in favour of:

To,

Member Secretary

Delhi Pollution Control Committee (DPCC)

3rd Floor, Block-I, DMRC IT Park,

Shastri Park, Delhi – 110053

(hereinafter referred to as “**DPCC**”)

Whereas M/s _____, having their registered office at _____ (hereinafter referred to as the “Bidder”), has submitted a Bid for *Selection of a Service Provider to Build, Operate and Maintain a Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi*.

AND WHEREAS, as per the Tender conditions, the Bidder is required to furnish a Bank Guarantee equivalent to ten percent (10%) of the approximate project cost (approx. ₹ _____) as assurance of procurement of required land within 60 days from the issuance of the Letter of Award (LoA).

NOW THEREFORE, in consideration of DPCC agreeing to accept this guarantee, we, M/s _____ Bank, having our branch at _____ (hereinafter referred to as the “Bank”), hereby agree and undertake as follows:

1. We unconditionally and irrevocably guarantee the payment to DPCC of an amount not exceeding ₹ _____ (Rupees _____ only), upon receiving a written demand stating that the Bidder has failed to procure the required land as per Tender conditions.
2. Any demand made by DPCC on the Bank shall be final, conclusive and binding, notwithstanding any dispute between DPCC and the Bidder.

Tender Document for setting up CBWTF in Region 1 of Delhi

3. The Bank undertakes to make payment under this Guarantee without demur, reservation, protest or delay.
4. This Guarantee shall remain in force for twelve (12) months from the Proposal Due Date, i.e., up to _____, and shall be extendable upon written request by DPCC.
5. The liability of the Bank under this Guarantee shall not be impaired or discharged due to:
 - A. Variations or modifications in Tender or LoA conditions;
 - B. Extensions of timelines granted to the Bidder;
 - C. Any forbearance, omission, or indulgence by DPCC;
 - D. Any dispute between DPCC and the Bidder.
6. The Bank agrees that this Guarantee may be invoked partially or fully, at the discretion of DPCC.
7. The Bank shall not revoke this Guarantee during its currency without prior written consent of DPCC.
8. Unless a written claim is lodged on or before _____ (expiry date + 6 months), all rights under this Guarantee shall stand extinguished.

For _____ Bank Ltd.

Authorised Signatory

Name: _____

Designation: _____

Seal: _____

Date: _____

Place: _____

Witnesses:

1. **Signature:** _____ **Name:** _____

Address: _____

2. **Signature:** _____ **Name:** _____

Address: _____

Annexure-1**FORMAT FOR TECHNICAL PROPOSAL**

(To be submitted on the Bidder's Letterhead)

1. Infrastructure details provided by the bidder**A. Details of Equipment/Facilities:**

S. No	Name of Equipment	Capacity	Number	Year of Manufacture	Make / Brand	Expected Downtime	Backup Facility available (Yes/No)
1.	Rotary Incinerator						
2.	Autoclave/Microwave/Hydroclave						
3.	Shredder						
4.	Sharp Pit/Encapsulator						
5.	Effluent Treatment Plant						
6.	Generator set						
7.	BMW Collection Vehicles (CNG/Electric)						
8.	GPS(one per vehicle)						
9.	POS Machine (one per vehicle)						
10.	Weighing Machines(one per vehicle)						
11.	CCTV Facility						
12.	Any other (pl specify)						

Note:

- Add additional rows if required.
- Technical datasheets / brochures for all proposed equipment, machinery, and infrastructure must be attached.
- If multiple makes are proposed (e.g., two incinerators of different makes), list them in separate rows.

Technical specifications for civil units

Tender Document for setting up CBWTF in Region 1 of Delhi

S.no.	Particulars	Qty.	Capacity / Area Specifications
1	Sharp pit		
2	Water storage tanks		
3	Waste storage area		
4			

Add rows if required

2. Details of proposed Manpower

A. Manpower Deployment Plan

S.no.	Position	Number of Personnel proposed
1	Engineer	
2	Supervisor	
3	Drivers	
4	Skilled Manpower	
5	Unskilled Manpower	
6		

Add rows if required

B. Compliance Requirement

The Bidder must ensure that all manpower deployed complies with:

- a) Labour Laws,
- b) Minimum Wages Act,
- c) EPF & ESI norms,
- d) BMW Rules 2016, and
- e) DPCC operational guidelines

3. Detailed Project Management Plan

A comprehensive Project Management Plan covering timelines, milestones, procurement schedule, construction phases, installation, commissioning, compliance activities, testing, training, and Go-Live plan must be attached separately.

4. Proposed Plant Design and Layout

Attach detailed engineering drawings, layout maps, process-flow diagrams, utility network designs, storage plans, and safety provisions.

5. Collection Network and Vehicle Management Plan

A detailed plan covering:

- A. Route mapping,
- B. GPS tracking,
- C. Waste traceability (barcode system),
- D. Vehicle scheduling,
- E. District-wise collection frequency,
- F. Emergency response mechanism.

Attach separately.

6. Proposed Environment Management Plan (EMP)

EMP must cover:

- A. Emission & effluent management,
- B. Air pollution control devices,
- C. Stack monitoring plan,
- D. ETP management,
- E. Noise & odour control,
- F. Wastewater reuse (if applicable).

Attach separately.

7. Legal Compliance Enforcement Strategy

Plan should address compliance for:

- A. BMW Rules 2016,
- B. Barcoding system,
- C. Real-time GPS tracking,
- D. DPCC reporting,
- E. Emission norms,
- F. Manifest system,
- G. Inspections & audit readiness.

Attach separately.

8. Training & Awareness Plan

Provide:

- A. Training modules,
- B. SOP training for staff,
- C. Awareness plan for HCFs,
- D. Proposed tools & learning materials.

Attach separately.

9. Innovation

Tender Document for setting up CBWTF in Region 1 of Delhi

Describe innovations in:

- A. Technology,
- B. Treatment efficiency,
- C. Emission control,
- D. Digital reporting,
- E. Automation,
- F. Capacity building initiatives.

Attach separately.

Signature of the Authorized Signatory

Name:

Designation:

Company Seal:

Annexure-2

FORMAT FOR FINANCIAL PROPOSAL

(To be submitted on the Bidder's Letterhead)

Subject: Financial Proposal – *One Time Bidding Amount*

Tender: *Setting up of Common Bio-Medical Waste Treatment and Disposal Facility (CBWTF) in Delhi*

Financial Bid Submission

I/We hereby submit the *One Time Bidding Amount* for the Region as specified below, in accordance with the terms and conditions of the Tender Document.

S. No.	Name of Region	Quoted One-Time Bidding Amount (in Figures)	Quoted One-Time Bidding Amount (in Words)
1	Region-1: East, North-East, Old Delhi and Central Districts of NCT of Delhi	₹ _____	_____

***The rates quoted above shall be excluding taxes.**

Declaration

1. The quoted amount is valid for 12 months from the Bid Due Date.
2. I/We fully understand that the evaluation shall be based solely on the *One Time Bidding Amount* quoted above.
3. I/We agree to all terms and conditions of the Tender Document, corrigenda, and addenda (if any).
4. I/We understand that no conditional bid will be accepted.

Place: _____

Date: _____

(Seal & Signature of Authorized Signatory)

Name: _____

Designation: _____

Company Name: _____

Address: _____

Annexure-3

FORMAT FOR SUBMISSION OF QUERIES ON THE TENDER DOCUMENT

(To be submitted on the Letterhead of the Bidder)

S. No.	Page No.	Section / Part of Tender Document	Clause No.	Text as per Tender Document	Clarification sought (with justification, if Any)

Add rows if required

Note:

1. Bidders shall submit queries only in this prescribed format.
2. All fields must be filled clearly; incomplete information may result in the query not being considered.
3. Each query must refer to the exact page and clause of the Tender Document.
4. Additional rows may be added as required.