



File No: J-13012/03/2017-IA.I(T)
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Date 04/06/2026



To,

Mr. Sandip Dutt
M/s. Tehkhand Waste to Electricity Project Limited
Adjacent DTC Tehkhand Depot, Maa Anandmai Marg, Tehkhand, South East, Delhi, 110020
E-mail: info.twepl@jindalecopolis.com

Subject: Expansion of Existing 25 MW Waste to Energy (WTE) Plant to 45 MW by M/s Tehkhand Waste to Electricity Project Limited located at adjacent DTC Tehkhand, Depot, Maa Anandmai Marg, District Southeast, New Delhi – Environment Clearance under para 7(ii) a of EIA Notification, 2006 – regarding

Sir/Madam,

This is with reference to your proposal number IA/DL/THE/566057/2026 dated 10.02.2026 along with a written submission dated 21.05.2026 seeking for grant of Environmental Clearance (EC) under the provision of the EIA Notification 2006 and as amended thereof to the proposed project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A0603DL5765344N
(ii) File No.	J-13012/03/2017-IA.I(T)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	1(d) Thermal Power Plants
(vi) Sector	Thermal Projects Expansion of Existing 25 MW Waste to Energy (WTE) Plant to 45 MW by M/s Tehkhand Waste to Electricity Project Limited located at adjacent DTC Tehkhand, Depot, Maa Anandmai Marg, District Southeast, New Delhi
(vii) Name of Project	
(viii) Name of Company/Organization	M/s. Tehkhand Waste to Electricity Project Limited
(ix) Location of Project (District, State)	South East, DELHI

(x) Issuing Authority
(xi) Applicability of General Conditions as per
EIA Notification, 2006

MoEF&CC
Yes

3. M/s. Tehkhand Waste to Electricity Project Ltd has made an online application vide proposal No. IA/DL/THE/566057/2026 dated 10.02.2026 along with copy of EIA/EMP report, Form and Certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at item no. 1(d) Under Category "A" of the schedule of the EIA Notification, 2006 and attracts general condition due to proximity to protected area- Notified Eco sensitive area- Okhla Bird Sanctuary ESZ at 4.76 Km NE and Okhla Bird Sanctuary at 4.83 km NE, Asola Wildlife Sanctuary ESZ at 0.72 km SW & Asola Wildlife Sanctuary at 1.65 km SW & inter-state boundaries-Delhi-Haryana State boundary at 1.30 Km SE and Critically Polluted Area namely Okhla Industrial Area is located at 0.61 km North. In view of this, the project is appraised at Central Level.

4. The instant Proposal was considered by the EAC (Thermal) in its 43rd meeting held on 14th May, 2026. The PP has submitted the written information on 21.05.2026. The MoM for the same may be seen using the following web link: <https://parivesh.nic.in>

Details submitted by the project proponent

5. The project of M/s Tehkhand Waste to Electricity Project Ltd. located in Tehkhand Village, Kalkaji Tehsil, Tehkhand District, New Delhi State is for setting up of a new Waste to Energy plant with a capacity of 20 MW for enhancement of power generation capacity from 25 MW to 45 MW.

6. The existing project was accorded environmental clearance vide letter.no. F.No. J-13012/03/2017 IA.I(T) dated 26/07/2018 from MoEF&CC and Amendment in EC vide letter No. J 13012/03/2018-IA.I(T) dated 15/01/2019. Consent to Operate (CTO) for the existing unit was accorded by Delhi Pollution Control Committee (DPCC), vide File No. DPCC/WMC-II/Tehkhand-WTE/2025/02 dated 10/01/2025. The validity of CTO is up to 06/10/2029.

7. Implementation status of the existing EC

Sl. No.	Configuration	Capacity (MW)	As per the EC dated	Implementation Status as on May 2026	Production as per CTO
1	Product- Power Generation through MSW waste processing 2000 TPD	25MW	26/07/2018 & 15/01/2019 (Amendment in EC)	The project has been fully implemented in compliance with the EC conditions and is currently in operation after obtaining necessary all clearances and No Certificates from departments. (NOCs) concerned departments.	25 MW

8. The unit configuration and capacity of existing and proposed project is given as below:

Name of the facility	Unit	Existing	Proposed Expansion*	Total after Expansion Capacity
Product (Waste to Energy Power)	MW	25	20	45
Biogas production (by-product)	Nm ³ /day or TPD	Nil	Biogas = up to 20,000 Nm ³ /day /CBG = up to 8 TPD	Biogas = up to 20,000 Nm ³ /day /CBG = up to 8 TPD
Boiler for WTE	TPH	2 x 65	≤100	≤230

Process description

WTE plant

The technology proposed to be employed for this WTE project is RDF combustion based reciprocating forward feed grate technology. The power plant constitutes Material Recovery Facility (Pre-sorting), RDF fuel Pit, Incinerators, Boilers, and Steam Turbine Generators with power generation capacity of 20 MW.

Bio-gas plant

- Leachate Treatment Plant utilizes chemical and biological treatment methods to treat approximately 360 KL of leachate per day. The plant features three anaerobic digesters operating in both series and parallel modes.
- Anaerobic (without oxygen) biological process that breaks down organic materials and release biogas.
- The Digestion takes about 20 days in the mesophilic temperature (30C – 35C) and producing approx. 8000 to 20,000Nm³ of biogas per day.
- Anaerobic digestion has four major steps: Hydrolysis, Acidogenesis, Acetogenesis & Methanogenesis to decompose the organic matter and produce biogas.
- Digested Sludge from the bottom can be used as manure.

CBG production

- Raw biogas will be filtered and cleaned to remove impurities like hydrogen sulphide, moisture, and particulate matter.
- Carbon dioxide and hydrogen sulphide gas will be removed from the biogas using scrubbing and absorption methods.
- The biogas is then enriched to increase the CH₄ concentration, typically to 90-95%.
- The scrubbed biogas will be compressed to high pressure (typically 200- 250 bar) and filled into CBG cylinders or will be supplied to gas grid through pipeline.
- The final CBG / Bio-CNG product will meet specified standards for fuel quality, safety, and environmental regulations.

9. Certified compliance report from Regional Office: The status of compliance of earlier EC was obtained from Regional Office, vide File No. V/ENV/DLI/1412/2018/220 [E Computer No. 271496], dated 01.08.2025 in the name of M/s Tehkhand Waste to Electricity Project Ltd. The Action Taken Report regarding the partially/non-complied conditions was submitted to Regional Office, MoEF&CC, Lucknow vide letter bearing Ref. No. TWEPL/EXP/2025-26/008 dated 14.08.2025 by the project proponent. Further, IA-CMD write a letter vide F. No. IA-J-11014/201/2025-IA-I, dated 17.12.2025 to DDGF(C), RO, MoEF&CC – Lucknow, for issuing an Action Taken Review Report to Project Proponent. Accordingly, MoEF&CC (RO), Lucknow evaluated the report and has issued Action Taken Review Report to M/s Tehkhand Waste to Electricity Project Ltd. vide File No. V/ENV/DLI/1412/2018 [E computer No. 271496]/373 dated 10.02.2026. Based on this, proponent has submitted a request letter to IA-CMD, MoEF&CC vide letter TWEPL/EXP/MoEF&CC/2026-27/001 dated 28.04.2026, seeking issuance of an Action Closure Letter and the same was issued by IA-C&MD on 6/05/2026.

10. The detail of the ToR is furnished as below:

Proposal No with date	Consideration	Details	Date of accord	ToR Validity
IA/DL/THE/544398/2025	28 th meeting of EAC – Thermal held on 12.08.2025	Terms of Reference	16.09.2025	4 years

11. Environmental site settings

S. No.	Particulars	Details	Remarks
1	Total Land	6.0703 ha [The complete area is Government land obtained on lease from MCD]	Land use: The existing Land use of the project site is Industrial. There will be no change in the land use pattern of the site. As per Gazette Notification dated 12.01.2018, the land is already notified for utility purposes by the Delhi Development

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			Authority. The land was transferred from DDA to MCD and then was handed over to M/s Tehkhand Waste to Electricity Project Limited through a lease deed agreement dated 25.09.2018.																																										
2	Land use break up	<table> <tr> <th>Parti-culars</th> <th>Existing (Ha)</th> <th>Expansion (Ha)</th> <th>Area upon expansion (Ha)</th> </tr> <tr> <td>Covered area</td> <td>2.2190</td> <td>0.4664 (increased)</td> <td>2.6854</td> </tr> <tr> <td>Road area & drainage</td> <td>1.0116</td> <td>0 (will remain same)</td> <td>1.0116</td> </tr> <tr> <td>Green Area (33%)</td> <td>2.0142</td> <td>0 (will remain same)</td> <td>2.0142</td> </tr> <tr> <td>Open Area</td> <td>0.8255</td> <td>0.4664 (reduced)</td> <td>0.3591</td> </tr> <tr> <td>Total Area</td> <td>6.0703</td> <td></td> <td>6.0703</td> </tr> </table>	Parti-culars	Existing (Ha)	Expansion (Ha)	Area upon expansion (Ha)	Covered area	2.2190	0.4664 (increased)	2.6854	Road area & drainage	1.0116	0 (will remain same)	1.0116	Green Area (33%)	2.0142	0 (will remain same)	2.0142	Open Area	0.8255	0.4664 (reduced)	0.3591	Total Area	6.0703		6.0703	-																		
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3	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 & 20/2/2025	The land was transferred from DDA to MCD and then was handed over to M/s Tehkhand Waste to Electricity Project Limited through a lease deed agreement dated 25.09.2018.	Registration No. 5.302 dated 25.09.2018 and agreement is up to 25 years																																										
4.	Existence of habitation & involvement of R&R, if any.	Project site: Not applicable Study Area: <table> <tr> <th>Name of Habitat</th> <th>Distance (Km)</th> <th>Direction</th> </tr> <tr><td>Railway Colony</td><td>0.41</td><td>SE</td></tr> <tr><td>Prem Nagar</td><td>0.48</td><td>SSW</td></tr> <tr><td>Pul Pehladpur</td><td>1.10</td><td>NNW</td></tr> <tr><td>Tuglaqabad Village</td><td>1.37</td><td>NW</td></tr> <tr><td>Tehkhand</td><td>1.39</td><td>NNE</td></tr> <tr><td>Tuglaqabad Extension</td><td>2.54</td><td>NW</td></tr> <tr><td>Sarita Vihar</td><td>2.58</td><td>NE</td></tr> <tr><td>Tajpur Pahari</td><td>2.72</td><td>ESE</td></tr> <tr><td>Talimabad</td><td>2.76</td><td>WNW</td></tr> <tr><td>Govindpuri</td><td>3.24</td><td>NNW</td></tr> <tr><td>Madanpur Khadar</td><td>3.53</td><td>NE</td></tr> <tr><td>Gupta Colony</td><td>3.79</td><td>SW</td></tr> <tr><td>Jasola Vihar</td><td>4.19</td><td>NNE</td></tr> </table>	Name of Habitat	Distance (Km)	Direction	Railway Colony	0.41	SE	Prem Nagar	0.48	SSW	Pul Pehladpur	1.10	NNW	Tuglaqabad Village	1.37	NW	Tehkhand	1.39	NNE	Tuglaqabad Extension	2.54	NW	Sarita Vihar	2.58	NE	Tajpur Pahari	2.72	ESE	Talimabad	2.76	WNW	Govindpuri	3.24	NNW	Madanpur Khadar	3.53	NE	Gupta Colony	3.79	SW	Jasola Vihar	4.19	NNE	Status of R&R. Not applicable
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		• Online Continuous Emission Monitoring System (OCEMS) already installed at the site. • The OCEMS and CAAQMS were installed on 10.12.2022 & 17.02.2023 for stack emission & ambient air monitoring. The OCEMS and CAAQMS are connected with DPCC & CPCB Servers for online monitoring of prescribed parameters. • The Air dispersion modeling of existing and proposed point sources has been done. The modelling suggests that the proposed expansion will have negligible incremental to the background concentration. • 3 No. of Anti-Smog Gun is available at the site for dust mitigation in vulnerable dusty areas like ash handling points and transfer areas. • Manual Sprinkling is also done regularly. • The entry gates have sensor-based wheel washing systems for vehicle cleaning and washing. • The materials are kept covered using green net. • Continuous Ambient Air Quality Monitoring Station (CAAQMS) already installed. • Storing of construction material in covered condition at project site. • Proper route management of the traffic for smooth ingress and egress of traffic. • Monitoring of Ambient Air Quality at periodical intervals.																
6.	Latitude and Longitude of all corners of the project site.	A. Plant site <table><tr><th>Point</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>28°30'35.31"N</td><td>77°16'50.83"E</td></tr><tr><td>B</td><td>28°30'32.42"N</td><td>77°16'56.59"E</td></tr><tr><td>C</td><td>28°30'23.04"N</td><td>77°16'51.19"E</td></tr><tr><td>D</td><td>28°30'25.47"N</td><td>77°16'44.93"E</td></tr></table>	Point	Latitude	Longitude	A	28°30'35.31"N	77°16'50.83"E	B	28°30'32.42"N	77°16'56.59"E	C	28°30'23.04"N	77°16'51.19"E	D	28°30'25.47"N	77°16'44.93"E	
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C	28°30'23.04"N	77°16'51.19"E																
D	28°30'25.47"N	77°16'44.93"E																
7	Elevation of the project site	The project site elevation varies from 249 m to 260 m above mean sea level (amsl)																
8	Involvement of Forest land if any	Nil	Not applicable															
9	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: There are no water body within the project site Study area -The following are within 5km radius from the project site <table><tr><th>Water body</th><th>Distance</th><th>Direction</th></tr><tr><td>Pond Near Prem Nagar</td><td>0.51 Km</td><td>West</td></tr><tr><td>Pond Near Chugi No 2</td><td>0.57 Km</td><td>SSW</td></tr></table>	Water body	Distance	Direction	Pond Near Prem Nagar	0.51 Km	West	Pond Near Chugi No 2	0.57 Km	SSW							
Water body	Distance	Direction																
Pond Near Prem Nagar	0.51 Km	West																
Pond Near Chugi No 2	0.57 Km	SSW																

S. No.	Particulars	Details			Remarks
		Hari Singh Pond	0.60 Km	W	
		Pond Near Tughlakabad District Park	1.00 Km	W	
		Pond Near Tughlakabad Fort Pond	1.03 Km	WSW	
		Pond Near Tughlakabad	1.10 Km	NNW	
		Pond Near Laal Kuwa	1.15 Km	SE	
		Pond Near Gali No1	1.39 Km	SSW	
		Drain near Okhla Phase 2	1.60 Km	N	
		Suraj Kund	2.46 Km	S	
		Pond near Kakkurpur	2.77 Km	SE	
		Agra Canal	2.86 Km	NE	
		Gurgaon Canal Feeder	3.00 Km	E	
		Gurukul Lake	3.34 Km	SSE	
		Drain near Khanpur	4.07 Km	WNW	
		Sehatpur Drain	4.23 Km	SE	
		Drain near Abdulfazal Enclave	4.28 Km	N	
		Pond near Mithapur Extension	4.53 Km	ESE	
		Drain near Jasaula Vihar	4.87 Km	N	
		Yamuna River	4.98 Km	NE	
		Mitigation Measures- •Reduction in Fresh Water Consumption- The main source of water is treated water from nearby STP. The STP treated water is treated in the inhouse Water treatment plant and then used within the plant. This reduces the need and demand of fresh water. •Waste Water Treatment & ZLD- The liquid leachate generated during the operational phase will be treated in the existing leachate treatment plant. ZLD will be maintained. The treated water will be reused in Boiler slag extractor for ash quenching, road cleaning, & housekeeping. •There is no effluent discharge from the project as all the treated water is reused within the plant.			
10	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere	Study area Name & Distance of the ESZ/ESA: (a) Asola Wildlife Sanctuary ESZ is located at 0.72 km SW & Asola Wildlife Sanctuary is located at 1.65 km SW. (b) Okhla Bird Sanctuary ESZ is located at 4.76 Km NE and Okhla Bird Sanctuary is located at 4.83 km NE			

S. No.	Particulars	Details	Remarks								
	reserve/ tiger reserve/ elephant reserve etc. if any within the study area	Status of Notification: a) Gazette Notification for ESZ & WLS of Asola Wildlife Sanctuary published in 2017. b) Gazette Notification for ESZ & WLS of Okhla Bird Sanctuary published in 2015. Authenticated map of ESZ projecting distance of ESZ from project site: The Map showing the distance has been submitted. Status of NBWL approval: Not applicable List of Reserved and Protected Forests: <table><tr><th>Forest Type</th><th>Name</th><th>Distance & Direction</th></tr><tr><td>Reserved Forest</td><td>Jahanpanah City Forest</td><td>2.78 km in WNW</td></tr></table> Mitigation Measures- Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Miyawaki plantation will be implemented in designated areas as per space availability.	Forest Type	Name	Distance & Direction	Reserved Forest	Jahanpanah City Forest	2.78 km in WNW			
Forest Type	Name	Distance & Direction									
Reserved Forest	Jahanpanah City Forest	2.78 km in WNW									
11	Archaeological sites monuments/ historical temples etc.	The following Archaeological Sites are in the radius of 2 km from the project site: <table><tr><th>Name</th><th>Distance Direction</th></tr><tr><td>Nai-ka-kot in Tughlaqabad</td><td>0.44 km SW</td></tr><tr><td>Walls, gate and bastions of Adilabad (Mohammadabad) and causeway leading there to from Tughlakabad</td><td>1.18 km SW</td></tr><tr><td>Tomb of Ghiyasuddin Tughlakabad</td><td>1.76 km West</td></tr></table>	Name	Distance Direction	Nai-ka-kot in Tughlaqabad	0.44 km SW	Walls, gate and bastions of Adilabad (Mohammadabad) and causeway leading there to from Tughlakabad	1.18 km SW	Tomb of Ghiyasuddin Tughlakabad	1.76 km West	NOC has been obtained from National Monument Authority vide File No. 0 4/02/2025/CA/Delhi/No. 788, Dated 24.02.2026-stating that the project site/ aforesaid property falls beyond the regulated area of any centrally protected monument.
Name	Distance Direction										
Nai-ka-kot in Tughlaqabad	0.44 km SW										
Walls, gate and bastions of Adilabad (Mohammadabad) and causeway leading there to from Tughlakabad	1.18 km SW										
Tomb of Ghiyasuddin Tughlakabad	1.76 km West										
12	Involvement of Critically Polluted Area/Severely. Polluted area as per 2018 CEPI score	Involvement of CPA/SPA-No (a) Critically Polluted-Not Applicable (b) Proximity to CPA/SPA - Okhla Industrial Area is located at 0.61 Km North	Proposed additional environmental safeguards as per MoEF&CC OM dated 31/10/2019: ● The stack emissions are within prescribed emission standards of CTO granted by DPCC, which are more stringent than those specified under the SWM Rules, 2016								

S. No.	Particulars	Details	Remarks
			and 2026. ● Online Continuous Emission Monitoring System (OCEMS) and CAAQMS has already been installed at the site, which is already connected to DPCC & CPCB Servers. ● Greenbelt is already developed in 2.01 Ha land inside the project area which is 33% of the total project area and additionally Greenbelt will be developed in 1.65 Ha land adjacent to the project site at ESLF area. Land has been allocated by MCD vide letter no. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026 for greenbelt development. ● ZLD is being maintained at the plant site for the existing operations. The same will be followed after the expansion project. ● Maintaining MSW pit under negative pressure to mitigate escape out the odour from MSW Pit. ● The entry gates have sensor-based wheel washing systems for vehicle cleaning and washing. ● Use of Anti-Smog Gun is available at the site for dust mitigation in vulnerable dusty areas like ash handling points and transfer areas.

12. Fuel Requirement: The details of the municipal solid waste requirement for the proposed project along with its source and mode of transportation is given as below:

Details	Fuel requirement (MTPA)	Source	Distance from site (Kms)	Mode of Transportation	Linkage document
Existing WtE	Municipal Solid Waste- 7,30,000	MCD	5-10 Km	Trucks and dumpers	Concession agreement between MCD and TWEPL
Proposed WtE	Municipal Solid Waste- 3,65,000	MCD	5-10 Km	Trucks and dumpers	

13. Water Requirement: Existing Water requirement is 490 m³/day, water requirement is obtained from Okhla STP and permission for the same has been obtained from Delhi Jal Board vide letter no. F-1/DJB/EE(SDW)V/2017/1346 dated 13.10.2017. The water requirement for the proposed project is estimated as 632 m³ /day, out of which 7 m³/day of fresh water requirement will be obtained from the DJB and the remaining requirement of 625 m³ /day will be met by the treated

water from Okhla STP and in house treated water. The water is transported to the plant site through the underground pipeline. No groundwater extraction is involved in the project.

14. Power Requirements: Existing power requirement of 3.5 MW is obtained from Inhouse (WtE Plant). The power requirement for the proposed project is estimated as 6.3 MW, which will be obtained from the Inhouse (WtE Plant).

15. Baseline Environmental Studies:

Period	March to May 2024	Additional study (October 2025)
AAQ parameters at 12 Locations (min and max)	Core zone 2024: PM_{2.5} =121 g/m³; PM₁₀ = 173 g/m³ ; SO₂= 15 g/m³; NO₂ =136 g/m³ ; CO is 0.76 mg/m³ Buffer zone 2024: PM_{2.5} = 84 To 132 µg/m³ ; PM₁₀ = 104 To 194 µg/m³ SO₂ = 13 to 21 µg/m³ ; Nox =61 To 142 µg/m³; CO = 0.53 To 0.79 mg/m³	One month baseline (October 2025) Core zone 2025: PM_{2.5} =72.24 g/m³ to 74.24 g/m³; PM₁₀ = 182.81 g/m³ to 188.30 g/m³ ;SO₂ = 9.52 g/m³ to 9.80 g/m³; NO₂ = 24.61 µg/m³ to 25.34 g/m³ ; CO = 0.58 g/m³ to 0.59 mg/m³. Buffer zone 2025: PM_{2.5} = 70.07 To 92.46 µg/m³ PM₁₀ = 177.33 To 234 µg/m³ SO₂ = 9.24 To 12.1 µg/m³ Nox =223.88 To 31.50 µg/m³ CO = 0.56 To 0.74 mg/m³
Incremental GLC level	PM ₁₀ =0.914 µg/m ³ With APCS (Level at onsite) SO ₂ = 2.39 µg/m ³ With APCS (Level at onsite)	-
Ground water quality at 6 locations	pH: 7.29 to 7.61, Total Hardness: 278 to 383 mg/l, Chlorides: 84 to 168 mg/l, Fluoride: 0.24 to 0.48 mg/l. Heavy metals such as Total Chromium: <0.05mg/l, Nickel:<0.01 mg/l, Copper:<0.01mg/l, Cadmium: <0.05 mg/l, Arsenic: <0.01 mg/l, Zinc: <0.001 mg/l, lead: <0.001mg/l, Iron: <0.001mg/l	Ground water quality at 8 locations pH: 6.80 to 7.48, Total Hardness: 460 to 1476 mg/l, Chlorides: 161.9 to 998.9 mg/l, Fluoride: 0.12 to 0.94 mg/l. Heavy metals such as Total Chromium, Nickel, Manganese, Copper, Mercury, Cadmium, Arsenic, Zinc, Selenium, Lithium are below the limit of quantification.
Surface water quality at 5 locations	pH: 7.26.to 7.92; DO: <2 to 4.1mg/l and BOD: 10.5 to 13.5 mg/l. COD from 196 to 416 mg/l	Surface water quality at 8 locations pH: 6.80 to 7.89; DO: BOD: 80.4 to 280 mg/l. COD from 130 to 470 mg/l
Effluent generation details and its treatment	Effluent generation from LTP Approx. 354 KLD of liquid leachate during the operational phase. Mode of treatment & reuse- Effluent will be treated in existing Leachate treatment plant. The treated water from Leachate treatment plant is recycled to DM Plant and rejected for quenching of bottom ash and FGCS Gas Cooling Domestic wastewater generation of approx. 6 KLD. Mode of treatment & reuse- Domestic wastewater will be treated in the existing Leachate treatment plant.	
Noise levels Leq (Day	Core Zone (Industrial area) 66.2 dB (A) for the day time and	Noise levels Leq (Day and

Period	March to May 2024	Additional study (October 2025)															
and Night) 12 locations	60.2 dB for the Night time. Buffer Zone (Industrial area) 62.1 dB (A) to 64.5 dB (A) for the day time and 56.7 dB (A) to 59.4 dB (A)for the Night time; (Residential area) 46.3 dB (A) to 53.3 dB (A) for the day time and 41.8 dB (A) to 46.2 dB (A)for the Night time; (silence area) 42.3 dB (A) for the day time and 38.4 dB for the Night time.	Night) 11 locations Core Zone (Industrial area) 60.2 dB (A) to 60.9 dB (A) for the day time and 51.6 dB (A) to 51.9 dB (A)for the Night time; Buffer Zone (Industrial area) 56.8 dB (A) to 57.8 dB (A) for the day time and 46.8 dB (A) to 47.9 dB (A)for the Night time; (Residential area) 54.7 dB (A) to 56.9 dB (A) for the day time and 44.6 dB (A) to 45.2 dB (A)for the Night time; (silence area) 44.3 dB (A) for the day time and 37.2 dB for the Night time. (Commercial area) 64.8 dB (A) to 67.9 dB (A) for the day time and 57.9 dB (A) to 61.7 dB (A)for the Night time															
Traffic assessment study findings	● Traffic study has been conducted at Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided) and Approach Road (Ma Anandmayee Marg) which is approximately 0.26 Km S from the plant site. ● Transportation of raw material will be done 100% by road. ● Existing PCU is 5143 PCU/hr on Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided) and existing level of service (LOS) is: 0.16 i.e. Cat "A" <table><tr><th>Road</th><th>V (Volume in PCU/ hr.)</th><th>C (Capacity in PCU/ hr.)</th><th>Existing V/C Ratio</th><th>LOS</th></tr><tr><td>Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided)</td><td>863</td><td>5143</td><td>0.16</td><td>Cat "A"</td></tr><tr><td>App. Road 17 Mtr. with Divided Road 4 Lane 2 Way (Ma Anandmayee Marg)</td><td>373</td><td>5143</td><td>0.07</td><td>Cat "A"</td></tr></table> ● PCU load after proposed project will be 5143 (Existing) + 5143 (Additional) PCU/hr and level of service (LOS) will be:	Road	V (Volume in PCU/ hr.)	C (Capacity in PCU/ hr.)	Existing V/C Ratio	LOS	Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided)	863	5143	0.16	Cat "A"	App. Road 17 Mtr. with Divided Road 4 Lane 2 Way (Ma Anandmayee Marg)	373	5143	0.07	Cat "A"	
Road	V (Volume in PCU/ hr.)	C (Capacity in PCU/ hr.)	Existing V/C Ratio	LOS													
Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided)	863	5143	0.16	Cat "A"													
App. Road 17 Mtr. with Divided Road 4 Lane 2 Way (Ma Anandmayee Marg)	373	5143	0.07	Cat "A"													

Period	March to May 2024					Additional study (October 2025)
	Road	V (Volume in PCU/ hr.)	C (Capacity in PCU/ hr.)	Existing V/C Ratio	LOS	
	Mehrauli - Badarpur Road (4 Lane Road 2 way (Divided)	905	5143	0.17	Cat "A"	
	App. Road 17 Mtr. with Divided Road 4 Lane 2 Way (Ma Anandmayee Marg)	415	5143	0.08	Cat "A"	
	Conclusion: The level of service will include additional traffic due to proposed project. Road 1. The carrying capacity of the Mehrauli - Badarpur Road is much higher than the traffic volume. The traffic (to & fro) from the "Tehkhand Waste to Electricity Project Ltd." will not create traffic congestion. Mehrauli - Badarpur Road The volume/capacity ratio is likely to change from 0.16 to 0.17 with LOS being "A" to "A" Road 2. The carrying capacity of the Approach Road (Ma Anandmayee Marg).is much higher than the traffic volume. The traffic (to & fro) from the "Tehkhand Waste to Electricity Project Ltd." will not create traffic congestion Approach Road (Ma Anandmayee Marg). The volume/capacity ratio is likely to change from 0.07 to 0.08 with LOS being "A" to "A"					
Soil Quality at 10 Locations	Core zone 2024: Bulk density: 2.25 %; pH range 7.32-; Electrical conductivity (EC); 726 mS/m; calcium content: 16.5 mg/100g; sodium: 8.0 mg/100g; potassium: 5.0 mg/100g; Nitrogen: 16.5 mg/100g; Phosphorous:22.6 mg/100g; Cation Exchange Capacity (CEC):12.36 meq/100gm; Magnesium: 9.5 mg/100g; Organic Carbone: 0.68% Buffer zone 2024: Bulk density: 2.15 to 2.85 %; pH range 7.15 to 7.5; Electrical conductivity (EC); 632 to 845 mS/m; calcium content: 11.8 to 19.2 mg/100g; sodium: 7.0 to 12.0 mg/100g; potassium: 4.0 to 8.0 mg/100g; Nitrogen: 13.4 to 20.4 mg/100g; Phosphorous:4.0 to 8.0 mg/100g; Cation Exchange Capacity (CEC):10.38 to 16.48 meq/100gm; Magnesium: 6.2 to 9.4 mg/100g; Organic carbone: 0.57 to 0.95 %					Core zone October 2025: Bulk density: 1.22 g/cc; pH range 8.58; Electrical conductivity (EC); 428.0 µS/cm; calcium content: 64.0 mg/kg; sodium: 42.7 mg/kg; potassium: 45.76 mg/kg; Nitrogen: 131.7 mg/kg; Phosphorous:11.67 mg/kg; Cation Exchange Capacity (CEC):14.03 meq/100gm; Magnesium: 56.0 mg/kg; Organic Matter: 1.52% Buffer zone October 2025: Bulk density: 1.25 to 1.33 %; pH range 6.98 to 7.77; Electrical conductivity (EC): 75.7 to 365.0 mS/m; calcium content: 54.6 to 106.8 mg/kg;

Period	March to May 2024	Additional study (October 2025)
		sodium: 36.4 to 89.6 mg/kg; potassium: 4.0 to 8.0 mg/kg; Nitrogen: 13.4 to 20.4 mg/kg; Phosphorous: 10.20 to 47.9 mg/kg; Cation Exchange Capacity (CEC): 11.2 to 17.2 meq/100gm; Magnesium: 12.5 to 44.2 mg/kg; Organic matter: 0.27 to 0.92 %
Flora and fauna	Total of 23 species listed under Schedule I of the Wildlife Protection Act. The Wildlife conservation Plan has been approved by Conservator of Forest (HQ) Wildlife officer <i>vide</i> F. No. 260/CWLW/WL/Jindal WLP/10983-85, dated 26.11.2025 from Department of Forest & Wildlife, New Delhi.	-
Hydrogeology study	The Hydrological study has been carried out by M/s Hydro Geo solution LLP, in October-December, 2025. •Elevation of water table in the study area ranged from 144 to 214.1 metres above mean sea level (m.amsl). The general ground water flow is towards north and northwest. A ground water trough is formed in the northwest. Groundwater flow gradient in the study area varies in all direction. •In-situ infiltration test study revealed a constant rate of infiltration 3.33 cm /hr. The infiltration rate in the area is considered moderate. •The Depth to ground water level during October 2025 ranged from 6.7 mbgl (Lajpat Nagar) to >100 mbgl (dry) at Tughlaqabad Biodiversity Park and Sangam Vihar. Depth to water level in the major part of the study area ranges from 80 to 90 m.bgl. Deeper water levels in the range of 90 to >100 m.bgl are observed in the northwestern part of the study area, whereas shallower water levels, ranging from 15 to 20 m.bgl are observed in the southeastern part of the study area. •Quality of ground water is fresh to brackish. Water is very hard. Fluoride and Nitrate is within permissible limits for drinking use in the study area. •Groundwater quality is largely satisfactory microbiologically, except at Tughlaqabad Village (Shiv Mandir) where E. coli and Total Coliform were detected, indicating faecal contamination. BOD (up to 4.9 mg/l) and COD (up to 19.6 mg/l) exceed desirable limits at several locations, pointing to organic loading likely attributable to leachate influence from the proximate Tehkhand landfill. •No groundwater abstraction will be done for the said project. STP Treated water from Okhla STP is used as the primary source of water. •No impact on ground water has been observed on the ground water regime due to the operations of the industry within the 2 Km radius. The details of the study have been submitted along with EIA report.	M/s Hydro Geo solution LLP
Impact study on bio-diversity and aquatic ecology	•The project is based on ZLD concept and there will be no effluent discharge from the plant. •Since, there is no major aquatic system in the area, the chances	M/s Perfact Enviro Solutions Pvt. Ltd.

Period	March to May 2024	Additional study (October 2025)
	of impact on aquatic ecology would be insignificant. • A Greenbelt Development Plan has been submitted. • The excavated soil from the project site should be kept separately and can be used to boost restoration and green plantation activity. • Yamuna river is at approx. 4.98 km, NE from the project site. • All vehicles inside the project site should maintain speed limit and will not blow horn unless it is required. • Awareness will be given to workers about the importance and conservation of terrestrial ecology and biodiversity. • Miyawaki plantation will be done adjacent to the project site at ESLF area and gap plantation within the project site in the existing available area..	
Risk assessment study	• Only flammable material is diesel/LDO/HSD for operations will be provided with fire fighting systems. • Fire water pumps shall be installed along with adequate water storage capacity. • Ensure Inspection and Maintenance of Pipelines of Boiler and other related equipment/ instruments/ connections like safety device, water level indicator, flanges etc. to avoid boiler explosion. • Special precautions like SOP to be considered during start-up and shut down failure of which may lead to fire box explosion/boiler explosion. • Periodical inspection and calibration of various types of electronic instruments shall be followed. • Ensure effective monitoring of the power plant safety. • Effective housekeeping to be maintained in the plant. • MSDS of the chemicals should be present at strategic locations and workers should be well trained to handle that chemical with appropriate PPE. • Gas monitoring equipment to be connected to the alarm (flammable oil). • Periodic Inspection and Maintenance of Fire Alarm & Fire Detection System to ensure its working when in need. • Periodic rehearsal of mock drill to ensure readiness to handle any emergency situation. • All safety precautions (SOP etc.) to be followed in any type of operation in the plant to avoid accidental situation. • Special precautions like no use of match boxes, cigarette lighters etc. also be followed to avoid fire in LDO/HSD storage area, loading/unloading of LDO tanker area. • SOP to be followed during loading/unloading of LDO to storage tank. LDO/HSD Tankers to be fitted with flame arrestors. Earthing/bonding during loading/unloading to be considered to avoid any static charge generation. • As per NFPA-85E, it is believed that improved instrumentation, safety interlocks and protective devices, proper operating sequences and a clearer understanding of the problem by both designers and operators can greatly reduce the risks and actual incidence of furnace/boiler explosions.	M/s Perfect Enviro Solutions Pvt. Ltd.
Epidemiological Study	The <u>Epidemiological study</u> has been carried out in December,	M/s IIHMR, Delhi

Period	March to May 2024	Additional study (October 2025)
	2025 by International Institute of Health Management Research (IIHMR), Delhi within 5 km range of project site. Findings of the study: - Population & income: 1,921 households (5,720 people), median income 29,808/month, with most earning ≤30,000. - Demographics: Predominantly working-age (76.9%), fewer children (22.3%) and elderly (14%). - Exposure zones: Zone 1 (closest) poorer, more waste/industrial workers, weaker housing and water access; Zone 3 (farthest) better off. - Health outcomes: High prevalence of asthma (7.9%), bronchitis (7.9%), hypertension (12.9%), diabetes (7.5%); symptoms like cough, wheezing, diarrhea show clear dose-response with proximity. - Socioeconomic disparities: Poorest quartile bears highest disease burden (e.g., asthma 12.3% vs. 2.1% in richest), showing poverty and exposure jointly drive health risks. Conclusion: - Regional pollution (Okhla dumpsite, AQI 300–633) and poor sanitation infrastructure are major contributors. - Poorest quartile bears 5–7 x higher respiratory and GI burden than richest. - Education strongly protective: respiratory disease prevalence drops from 18.3% (illiterate) to 3.1% (higher educated). - Hence, a Direct causality between plant operations and morbidity cannot be established.	

16. Solid and hazardous waste Management: The details of solid and hazardous waste generation along with its mode of treatment/disposal is furnished as below:

S. No.	Type of Waste	Source	Quantity generated (TPA)	Disposal
1	Recyclable (Ferrous & Non ferrous)	Process	4	Will be sold to registered recyclers
2	Manure (from composting)	Process	2	Used as compost/soil conditioner
3	Bottom Ash	Process	310	Ash Generated is utilized in road subgrade construction and embankment. Any unutilized material will be sent to SLF/ESLF..
4	Fly Ash	Process	47	Supplied to ash brick manufacturers and any unutilized material will be sent to SLF/ESLF
5	Inert	Process	444	Used for road construction and any unused material will be sent to SLF/ESLF.
6	Used Oil	Machineries	7	Will be sold to registered recyclers
7	Sludge (WTP)	WTP	8	Sludge will be filter pressed and sent to incinerator in-boiler
8	Chemical Sludge (LTP)	LTP	3	Will be sold TSDF/ESLF
9	Domestic Solid Waste	Staff	12.8	Will be handled in- house Biogas digester

17. Public Consultation: As per the ToR accorded, instant proposal is exempted from the conduct of fresh public hearing in terms of the provisions contained under para 7(ii)a of EIA, 2006 on the following grounds. However, public consultation by obtaining responses in writing from concerned persons having a plausible stake in the environmental aspects of the project or activity shall be carried out as per the procedure prescribed under EIA, 2006 as amended.

- Proposed expansion of WTE was already envisaged under the proposal submitted for existing EC dated 26/07/2018.
- Proposed expansion of WTE from 25 to 45 MW will be confined to the existing land of 6.0703 Ha only.
- 6.0703 Ha is already undergone public hearing process as per the provisions contained under EIA Notification, 2006 at the time of grant of EC during 26/07/2018.
- No reduction in green belt area of 2.01 Ha due to the proposed expansion of WTE.
- Proposed expansion will facilitate disposal of additional 1000 tons per day of Municipal Solid Waste.
- State Govt. of Delhi has initiated the neutralization of the waste dump site and the existing project is playing a key role in reducing the waste dumped into landfills by using Municipal Solid waste to generate power.
- Central Pollution Control Board (CPCB) has introduced a new "blue category" to classify industries providing Essential Environmental Services (EES) like waste management and pollution control. This category recognizes activities such as waste-to-energy plants, sewage treatment plants, and landfill maintenance, which are crucial for managing pollution from both domestic and industrial sources.
- Increase in pollution load due to the proposed WTE expansion will be minimized by adopting additional environmental safeguards.

Details of advertisement given	Newspapers "Times of India" in English & "Navbharat times" in Hindi dated 30.09.2025
Date of public consultation	30.09.2025 to 29.10.2025
Venue	The draft EIA/EMP Report was made available on the portal https://dpcc.delhigovt.nic.in within 30 days
Presiding Officer	Member Secretary of Delhi Pollution Control Committee (DPCC)
Major issues raised	Noise Pollution, Air Pollution, Employment for rag pickers
No. of people attended / No. of query	Total 60 Nos. of representation received via mail in Public consultation proceedings

Action plan to address the concerns/issues raised from the public consultation process as per MoEF&CC OM dated 30/09/2020

Key Area Identified under Socio-EMP (CER) based on needs highlighted during Public Consultation with Action Plan and Budget (in Lakh)								
S. No.	Proposed Activities	Physical Targets	2026 - 2027	2027- 2028	2028- 2029	2029- 2030	2030- 2031	Total Amount (Rs. in Lakhs)
1	Water Shed Development (Tughlaqabad Pond)	Physical target	Tughlaqabad Pond (Bank Strengthening & Bund Repair, De-Silting Chamber Construction at Pond Inlets, Fencing & Boundary Protection, Inlet–Outlet Regulation & Overflow Control, Plantation & Peripheral Greening, Post-Construction Monitoring etc.)					13.1
		Budget	3	3	2.5	2.5	2.1	
2	Medical health Check-up Camps / Awareness (Medical Tests such as LFT, KFT, CBC, Eye Test etc.	Physical target / Beneficiaries	400- 500 approx.	400- 500 approx.	400- 500 approx.	400- 500 approx.	400- 500 approx.	20
		Budget	4	4	4	4	4	
3	Employment/Skill Development (Providing skill development	Physical target / Beneficiaries	5 students/year from 10 km study area					10
		Budget	2	2	2	2	2	

Key Area Identified under Socio-EMP (CER) based on needs highlighted during Public Consultation with Action Plan and Budget (in Lakh)								
S. No.	Proposed Activities	Physical Targets	2026 - 2027	2027- 2028	2028- 2029	2029- 2030	2030- 2031	Total Amount (Rs. in Lakhs)
	training)							
4	Provision of Ambulance Facility (1 no.)	Physical target / Beneficiaries	Railway Colony, Tughlaqabad Village, Prem Nagar, Pul Prahladpur and other nearby villages within study area					
		Budget	10	3	3	10	4	30
5	Distribution of indoor plant (5000 saplings)	plant distribution	1000	1000	1000	1000	1000	
		Physical target / Beneficiaries	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500	
		Budget	3	3	3	3	3	15
6	Solar RO Drinking Water Units (5 nos.)	Physical target / Beneficiaries	Okhla MCD School, DTC Tehkhand Bus Depot, ESIC Hospital, Railway Colony, Pul Prahladpur.					
		Budget	1	1	1	1	1	5
Total CER Expenditure (Rs. in Lakhs) (A)			23	16	15.5	22.5	16.1	93.1
Balance amount of CER from existing project (B)								23
Grand total A+B) (Rs. in Lakhs)								116.1

18. Cost of the Project: Existing capital cost of project was 4,375.48 In lakhs. The capital cost of the proposed project is Rs 1954.61 lakhs and the annual recurring cost towards the environmental protection measures are Rs. 670 lakhs for existing and Rs. 132.81 lakh for the proposed project. The employment generation from the proposed project / expansion is 45 nos. The details of cost for environmental protection measures is as follows:

S. No.	Particulars	Capital (in Lakhs)				Recurring (in Lakhs) estimated		
		As per EC	Actual expense incurred for existing plant	Proposed expansion	Total after expansion	As per EC	Proposed expansion	Total after expansion
1.	Air Pollution Control	1,355.00	2,514.08	3110	4,624.08	500	94	594
2.	Water Pollution Control	1,040.00	1,580.00	-	1,580.00	80	18	98
3.	Noise Pollution Control	No extra capital cost is required for noise pollution control as equipment to be purchased would be in accordance with noise compliance.	-	No extra capital cost is required for noise pollution control as equipment to be purchased would be in accordance with noise compliance.	-	10	0.01	10.01

4.	Environment Monitoring & Management	120	158	125	283	40	5	45
5.	Occupational Health & Safety	40	19.3	Existing fund allocation is adequate to cover OHS expenses for the expansion	40	20	2	22
6.	Green Belt Development	100	22.5	20	42	15	8	23
7.	Others (Odour control management, Sanitization, etc.)	50	0.7	1	1.7	5	0.2	5.2
8.	Solar Panel & Solar Lights (through third party)	-	1	175	176	-	5	5
9.	Rainwater Collection & Harvesting	-	14.5	6	20.5	-	0.6	0.6
10.	Others	-	-	10	10	-	-	-
11.	CER Activities	-	98.6	116.1	214.7	-	-	-
Total		2,705.00	4,408.68	3,563.10	6,991.98	670	132.81	802.81
Note: Recurring cost for air pollution control have been considered maximum for replacement of bag filter in every 5 years as per OEM guidelines. CER activities include cost of rejuvenation of Tughlaqabad Pond which is a part of watershed development. It also includes cost of Check-up Camps, Provision of Ambulance Facility, Distribution of indoor plant and installation of Solar RO Drinking Water Units								

19. Greenbelt Development Plan: Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Thus, a total of 3.66 ha. area will be developed as a greenbelt. A 20-30 m wide greenbelt, consisting of at least 3 tiers around the plant boundary has been developed as greenbelt and green cover as per CPCB guidelines. Local and native species have been planted with a density of 2000 trees per hectare. Total no. of 5800 saplings will be planted in the additional area and nurtured in 1.65 hectares in 3 years.

A. Greenbelt development Plan for Gap Plantation:

The Gap plantation has been progressively carried out in a phased manner, taking into consideration the observations made during inspections and the subsequent directions issued by authorities for improvement of the existing greenbelt in the premises.

Phase-1: (July–Aug 2025) : Gap plantation undertaken in compliance with the observations made during the IRO site visit conducted in July 2025.

S. No.	Species Name	Quantity
1	Bougainvillea glabra	30
2	Tabernaemontana divaricate	20
Total Count (No's)		50

Phase-2 (Jan-Feb 2026) : Gap Plantation was carried out pursuant to the observations made during the EAC Sub-Committee site visit conducted in November 2025

S. No.	Species Name	Quantity
1	Syzygium cumini	11
2	Holoptelea integrifolia	31
3	Butea monosperma	4
4	Cassia fistula	2
5	Eucalyptus citriodora	4
6	Bauhinia variegata	38
7	Jatropha curcas	48
8	Putranjiva roxburghii	22
9	Mimusops elengi	1
Total Count (Nos.)		161

Phase-3 (Apr 2026) : Gap plantation has been undertaken in pursuance of the directions issued by the EAC in the Agenda Meeting dated 08 April 2026, with consideration to strengthening the existing greenbelt.

S. No.	Species Name	Quantity
1	Pterospermum acerifolium	19
2	Alstonia scholaris	8
3	Neolamarckia cadamba	23
Total Count (No's)		50

Phase-4: Action plan (Jun- Jul 2026) : It is proposed to undertake plantation of 50 nos. of trees of more than 3 metres height, as part of the ongoing phased greenbelt development programme.

Expenditure of Gap Plantation

Period of plantation	Qty. (No's)	Plantation Cost (Rs. in lakhs)
July–Aug 2025	50	0.25
Jan–Feb 2026	161	Govt. Nursery
Apr 2026	50	0.79
Jun- Jul 2026	60	1
Total cost (Rs. in Lakhs)		2.04

B. Action Plan for additional Greenbelt of 1.65 Ha

Year	Trees	Shrubs/Herbs	Total Saplings	Capital Cost (INR)	Recurring Cost (INR)
2026-27	1000	1000	2000	7,000,00	3,000,00
2027-28	400	1500	1900	5,000,00	2,000,00
2028-29	400	1500	1900	6,000,00	3,000,00
Total	1800	4000	5800	18,000,00	8,000,00

20. Ash management for last three years

Year	Quantity generated (MT)	Quantity utilized (MT)	% of utilization	Balance quantity (MTPA)	No of storage silos with capacity
Bottom Ash FY 23-24 & 24-25)	230 MT/day	230 MT/day	100 %	Unutilized material sent to SLF/ESLF	-
Fly Ash (FY 23-24 & 24-25)	27 MT/day	27 MT/day	100 %	Unutilized material sent to SLF/ESLF	2x250 m3

A. Fly ash Details for the last three years = 9983.5 TPA (FY 23-24 & 24-25)

S. No.	Activity (as applicable)	Quantity	Percentage	Remarks (Prior approval of SPCB details to be mentioned)
1.	Fly ash based products (bricks or blocks or tiles or fiber cement sheets or pipes or boards or panels)	27 MT/day	100	Supplied to ash brick manufacturers and any unutilized material sent to SLF/ESLF.
	Total	27 MT/day	100	

B. Bottom ash generation for the last three years = 83947.5 TPA (Avg. FY 23-24 & 24-25)

S. No.	Activity (as applicable)	Quantity	Percentage	Remarks(Prior approval of SPCB details to be mentioned)
1.	Construction of roads, road and fly over embankment	230 MT/day	100	As per guidelines
	Total	230 MT/day	100	

C. Proposed ash utilization plan for expansion project

Details	Existing generation (MTPA)	Proposed generation (MTPA)	Total	Utilization (MTPA)	Balance quantity (MTPA)	No of storage silos with capacity
Bottom Ash	230 MT/ day	80 MT/ day	310 MT/ day	Use for road construction and any unutilized material will be sent to ESLF	Unutilized material will be sent to ESLF	-
Fly Ash	27 MT/ day	20 MT/ day	47 MT/ day	Supplied to cement industries / ash brick manufacturers	Unutilized material will be sent to ESLF	2x250m ³ (Existing silos will be used)

21. Summary of court cases: Nil.

22. Summary of Show Cause Notices (Last two years): Nil.

23. Summary of violation under EIA, 2006/court case/show cause/direction if any, related to the project under consideration shall be furnished.-Nil

24. Compliance to the observations of sub-committee site visit report dated 19.11.2025:

S. No.	Observation of the Sub-committee:	Compliance
1	The Committee observed the operational activities of the waste-to-energy generation at the site of Mis Tehkhand Waste to Electricity Project Limited. Bio-waste was handled through automated systems, wherein waste collection trucks unloaded directly into a designated pit, and the waste was subsequently fed into the digester using remote-controlled machinery. The entire process is being conducted within a closed facility controlled machinery. The entire process is being conducted within a closed facility maintained under negative	Noted

S. No.	Observation of the Sub-committee:	Compliance
	pressure to control odor, biogas emissions, and potential contamination.	
2	Municipal solid waste was digesting in the digestion chambers under optimum operating conditions. Following the digestion process, the waste was segregated using separators to remove solid materials such as metals, plastics, glass, stones, etc., from the liquid fraction. The digested solid waste was then stored as Refuse-Derived Fuel (RDF) through a parallel and alternate storage system. Acceptable RDF was transferred from the storage area to the boilers for energy generation. The generated leachate is being conveyed to the leachate treatment plant for appropriate treatment.	Noted
3	The committee observed the unpleasant odors surrounding the waste transportation corridors, in the waste handler area and suggested to the PP for taking the appropriate mitigation measures.	Cross ventilation is proposed in the truck reception area to mitigate unpleasant odours in the surroundings. Additionally, the following measures have been/will be implemented to control unpleasant odour: a) Sufficient quantity of sanitizer is inoculated at this point with a sprayer to reduce odor. b) MSW pit under negative pressure is being maintained to mitigate escape out the odour from MSW Pit. c) Indoor species such as Snake Plant, Peace Lily, Spider Plant, Aloe Vera, etc. will be planted, which will act as natural sinks for pollutants and odour and also purify the air.
4	The workers were not wearing suitable masks during the operation inside the project area and suggested to the PP for adequate protective gears and regular health checkup of the workers.	Noted. Proper PPE is provided to the workers, and their health checkups are conducted regularly.
5	The ash handling area within the project site is poorly maintained as there was ash spillage everywhere within the site. The Committee asked the proponent to take corrective action by properly providing a dyke wall all along the periphery of the ash handling area and improve the housekeeping.	Ash generated is stored in closed silos and only spills during transfer or transportation. The area observed by the committee will be entirely covered during the expansion project. However, good housekeeping practices are being maintained and trucks are properly covered with tarpaulin sheets on all sides to prevent any spillage. In the proposed expansion, the movement of trucks carrying ash will be re-routed to connect directly from the ash handling area to the main road/ESLF. This measure will not only improve housekeeping but also reduce the distance travelled by trucks, thereby minimizing the possibility of spillage.
6	The committee found that there is no proper boundary wall all around the project site. The committee suggested constructing a proper boundary wall around the project site on priority basis.	A proper boundary wall has been provided around the project site, along with the development of a thick greenbelt that acts as a natural sink for pollution. However, the erection of the boundary wall is still in progress.
7	The committee observed that the Green belt developed in the periphery of the Plant site is not satisfactory. The committee suggested increasing the plantation surrounding the boundaries and making a bio fencing by using the suitable Tree/shrubs/creepers.	Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Thus, a total of 3.66 ha. area will be developed as a greenbelt. A 20-30 m wide greenbelt,

S. No.	Observation of the Sub-committee:	Compliance
		consisting of at least 3 tiers around the plant boundary has been developed as greenbelt and green cover as per CPCB guidelines. Local and native species have been planted with a density of 2000 trees per hectare. Total no. of 5800 saplings will be planted in the additional area and nurtured in 1.65 hectares in 3 years.
8	The committee observed water testing facilities and available instruments and found outdated instruments not feasible for huge numbers of sample testing and needs technologically up gradation of the water testing laboratory.	The laboratory currently handles a limited number of samples and the existing equipment is working properly and is sufficient for present testing needs. Since large-scale testing is not required, technological upgradation is not deemed necessary at this stage. However, if the number of samples increases in the future, the requirement for equipment up gradation will be reviewed accordingly.
9	The committee found that a show Cause notice (SCN) has been issued by the Compliance and monitoring Division (CMD) of the Ministry and action closure report is still awaited for the same.	Noted. Further, after following up with the concern, the action closure report of the CCR was subsequently issued by the Regional Office, Lucknow vide File No. V/ENV/DLI/1412/2018 [E-Computer No. 271496], dated 10.02.2026.
Recommendation of the sub-committee		
1	Certified Compliance Report (CCR) with action taken plan for all non-compliance points to be submitted by the PP.	CCR obtained from MOEF&CC Regional Office, Lucknow vide File No. V/ENV/DLI/1412/2018/220 dated 01.08.2025. Minor observations were made by the officials. Action Taken Report for minor observations have been submitted to IRO vide Letter Ref. No. TWEPL/EXP/2025-26/008, dated 14.08.2025. The Current Action taken report with current status has been submitted to MOEF & IRO vide Ref. No. TWEPL/EXP/MOEFCC/2025-26/24 dated 15.12.2025. Further, the action closure report of the CCR was subsequently issued by the Regional Office, Lucknow vide File No. V/ENV/DLI/1412/2018 [E-Computer No. 271496], dated 10.02.2026.
2	Mechanism and monitoring protocol to be put in place regarding long term health impact of peoples working at the Plant site.	Half-yearly and annual health is carried out regularly since the operation of the plant.
3	Health assessment report and safety measures for employee (including both staff & workers) and the nearby population to be submitted.	Public Health Action Plan including Regular Medical Check-up & First Aid facility will be provided, Conduct of Mock drills, Training programme on health & Safety, and Health Check-up camps shall be organized. Support to the occupational Health center.
4	Details of the mode of transportation of waste for both existing and proposed operation shall be submitted.	Waste transportation in the existing operations is carried out using closed dumpers, hookloaders, compactors etc. and the same will be used for the proposed expansion project.
5	PP needs to explore and submit the action plan/control measures to mitigate/suppress the odors, contamination and ambient air pollution.	Following measures are/will be taken to control the odors, contamination and ambient air pollution: ❖ Fragrant materials are used in the odour control system by using air solution methods. ❖ Maintaining MSW pit under negative pressure to mitigate escape out the odour from MSW Pit. ❖ Indoor species such as Snake Plant, Peace Lily, Spider Plant, Aloe Vera, etc. will be planted, which will act as natural sinks for pollutants and odour and also purify the air. ❖ No. of Anti-Smog Gun is available at the site for dust mitigation in vulnerable dusty areas like ash handling points and transfer areas. ❖ Manual Sprinkling is also done regularly. ❖ The entry gates have sensor-based wheel washing systems for

S. No.	Observation of the Sub-committee:	Compliance						
		vehicle cleaning and washing. ● The materials are kept covered using green net. ● Ambient air monitoring is being carried out at regular intervals, and reports are being submitted to DPCC. The same practice will be followed during the expansion project.						
6	PP needs to submit detailed plans for development of bio fencing and greenbelt area around the boundary side, and plan for elevating the boundary wall of the project site.	Peepal, neem, sheesham, and banyan trees, along with 42 bougainvillea plants, have already been planted along the boundary wall. These will serve as biofencing and enhance the aesthetics of the site. Additionally, elevation of the boundary wall is under progress.						
7	PP has to enhance the existing green belt and long trees to be planted across the boundary of the plant. PP should pursue with MCD for land provision to make the existing green cover from 33% to 40% by planting additional trees near the site, and check with PWD for planting trees along the site periphery.	Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESFL area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Thus, a total of 3.66 ha area will be developed as a greenbelt. A 20-30 m wide greenbelt, consisting of at least 3 tiers around the plant boundary has been developed as greenbelt and green cover as per CPCB guidelines. Local and native species have been planted with a density of 2000 trees per hectare. Total no. of 5800 saplings will be planted in the additional area and nurtured in 1.65 hectares in 3 years.						
8	The detail of stack emission pollution, and test reports of Furans & Dioxin and other emission parameters (Heavy Metals, PM, SO ₂ , etc) shall be submitted by the PP.	The Stack emissions monitoring is regularly carried out. The parameters like dioxin & Furan and other heavy metals are also considered in the analysis.						
9	The standard methodology for bio-waste handling and biogas generation and bottling along with adequate safety measures for existing and proposed plants shall be submitted.	The detailed methodology for bio-waste handling and biogas generation is given in below: Additionally, following safety measures will be taken: ● Ensure proper ventilation and explosion proof equipment. ● Use flame arrestors, relief valves, and automated process controls. ● Flare excess biogas safely. ● Inspect digesters and pipelines regularly. ● Install gas leak detectors and alarms. ● Maintain fire safety equipment and safe storage conditions. ● Train workers in safe handling and emergency procedures. ● Emergency response plans with drills and evacuation routes. ● Scheduled maintenance of all equipment. ● Continuous ambient air monitoring.						
10	PP shall conduct and submit microbial analysis reports regarding the existence of microbial contaminants in the ambient environment.	Microbial analysis in ambient air has been carried out within the plant premises.						
11	PP shall carry out a pollution load assessment comparing the existing adjacent open landfill with the WtE facility.	The comparison of adjacent Open landfill and the existing WTE facility is given below: <table border="1"> <thead> <tr> <th>Criteria</th><th>Open Landfill</th><th>Waste-to-Energy (WtE) Facility</th></tr> </thead> <tbody> <tr> <td>Greenhouse Gas Emissions</td><td> ● High methane emissions (25x more potent than CO₂). ● Methane from anaerobic </td><td> ● CO₂ from combustion, but significantly lower net GHG emissions compared to </td></tr> </tbody> </table>	Criteria	Open Landfill	Waste-to-Energy (WtE) Facility	Greenhouse Gas Emissions	● High methane emissions (25x more potent than CO₂). ● Methane from anaerobic	● CO₂ from combustion, but significantly lower net GHG emissions compared to
Criteria	Open Landfill	Waste-to-Energy (WtE) Facility						
Greenhouse Gas Emissions	● High methane emissions (25x more potent than CO₂). ● Methane from anaerobic	● CO₂ from combustion, but significantly lower net GHG emissions compared to						

S. No.	Observation of the Sub-committee:	Compliance		
		Criteria	Open Landfill	Waste-to-Energy (WtE) Facility
			decomposition is often uncontrolled.	methane release. ● Controlled flue gas treatment reduces impact.
		Air Pollution	● Fugitive emissions of volatile organic compounds (VOCs), odors, and dust. ● No systematic control.	● Controlled combustion with scrubbers, filters, and selective non-catalytic reduction. ● Lower particulate matter and NOx emissions.
		Water Pollution	● Leachate contaminates groundwater and surface water with heavy metals, nitrates, and pathogens.	● No water contamination as plant is based on ZLD concept. ● Ash residues are managed and stabilized before disposal.
		Land Use	● Requires large tracts of land. ● Long-term occupation and post-closure monitoring.	● Smaller footprint ● Reduces land requirement by up to 90% compared to landfills.
		Energy Recovery	● None	● Generates electricity and heat from waste combustion, offsetting fossil fuel use.
		Health Impacts	● High risk of respiratory illness, vector-borne diseases, and exposure to toxic leachate.	● Lower direct exposure risks. ● Emissions are regulated under environmental standards.
		Long-Term Legacy	● Persistent pollution for decades. ● Methane continues for 20–30 years post-closure.	● Residual ash requires safe disposal, but long-term pollution load is far lower
12	PP must obtain DPCC comments on the site criteria conditions and submit the same. DPCC recommendations/NOC on site suitability are required due to residential areas within 500 m.	A request letter for recommendation/NOC from DPCC on site suitability to DPCC has been submitted vide letter no. TWEPL/EX./2025-26/021 dated 21-11-2025. The recommendation letter from DPCC has received vide File No. DPCC/WMC-II/WTE Tehkhand Expansion Project/2025/2375-78, dated 26.02.2026.		
13	Detailed plans of Ash Handling & Storage and safety measures adopted for the existing and proposed plant shall be	The bottom ash generated is given for construction of Highway embankment. Any unutilized material will be sent to ESLE. The Fly Ash generated from the project is being supplied to ash brick		

S. No.	Observation of the Sub-committee:	Compliance
	submitted. PP shall submit current ash disposal methodology and Toxicity characteristic leaching procedure (TCLP) test results confirming the non-hazardous nature of Ash generated.	manufacturers and any unutilized material will be sent to ESLF. Safety measures for handling ash are given below: ● 3 No. of Anti Smog Gun is available at the site for dust mitigation in vulnerable dusty areas like ash handling points and transfer areas. ● Workers will receive training on safe waste handling, ash management, chemical storage, and interpretation of Material Safety Data Sheets (MSDS).
14	Since current boiler stack height is 60 m, PP is required to recheck adequacy and submit scientific justification for retaining or increasing stack height. Considering the maximum stack height requirement, revised permissions are to be obtained as applicable.	The current boiler stack at 60 m height ensures that the exhaust plume is released into a higher atmospheric layer. This prevents "fumigation" (smoke settling near the ground) and allows for maximum dilution of pollutants before they reach the surrounding community. The Air dispersion modelling has been carried out to assess the dispersion from the stack. As per dispersion modelling report the stack height of 60 m is finalized.
15	PP shall obtain NOC from ASI/Defense authority for the proposed expansion.	An application for obtaining the NOC was submitted to the ASI on 08.12.2025 vide reference no. TWEPL/EXP/ASI/2025-26/23. In response, a letter from ASI was received on 29.12.2025 vide File No T-19034/209/2025-M (46742), mentioning that obtaining permission does not fall under their purview and accordingly, the request for the NOC was resubmitted to the National Monument Authority on 15.01.2026 vide reference no. TWEPL/EXP/NMA/2025-26/026. NOC from NMA has been obtained vide File No. 04/02/2025/CA/Delhi/No. 788, stating that the project site/ aforesaid property falls beyond the regulated area of any centrally protected monument.
16	PP is required to submit an action closure report of the Show Cause Notice (SCN) issued.	The action taken review/closure report has been received from Regional Office, Lucknow vide File No. V/ENV/DLI/1412/2018 [E-Computer No. 271496], dated 10.02.2026.
17	Install mist sprinklers around the greenbelt, ensuring 50% coverage overlap (positioned such that no spot is left dry and no overwatering prevails), and position them 1-1.5 meters above ground level, with timers set to water early morning or late evening to minimize evaporation and removal of dust from the leaves.	10 standby mist sprinklers have been installed around the greenbelt, positioning 5 to 6 meters above ground level, covering an area of 20 m radially, spacing between approx. 12 meter.

25. Comments of State Pollution Control Board, Delhi as per Ministry's OM dated 14.01.2025 and SOP dated 08.10.2025: DPCC vide letter dated 25.03.2026 has submitted their comments on Parivesh portal w.r.t the activity of Processing and Disposal of Municipal Solid Waste & Electricity Generation (Waste to Energy Plant) with Solid Waste Processing Capacity of (additional) 1000 Tons /day & Electricity Generation Capacity expansion of existing 25 MW to 45 MW by M/s. Tehkhand Waste to Electricity Project Limited.

26. Written Submission:

I. Leachate process flow diagram. Submit test reports of Raw leachate and treated leachate

Reply: The flow diagram of leachate process and test results of raw leachate and treated leachate is submitted by Project Proponent.

II. Odour parameters comparison with threshold values

Reply: The present limit available for Ammonia is 400 g/m³ (as per NAAQS, 2009), 20 ppm for H₂S (as per OSHA) & no standard prescribed for total VOCs. Further, it is ensured to adhere the limits if prescribed by law in future.

Odour parameters comparison with threshold is submitted by Project Proponent.

III. Financial outlay on the basis of Epidemiology Study

Reply: An amount of 50 lakh has been allocated under Corporate Environment Responsibility (CER) activities which includes:

Medical health Check-up & Awareness Camps involving need based Medical Tests such as LFT, KFT, CBC, Eye Test etc. Provision of Ambulance (1 No.) on call for Railway Colony, Tughlaqabad Village, Prem Nagar, Pul Prahladpur and other nearby villages within study area.

IV. Strategy for tackling with NIMBY Syndrome

Reply: We recognize the challenges posed by the NiMBY (“Not in My Back Yard”) syndrome and are actively working towards greater community participation through public sensitization, awareness initiatives, and encouraging visits to the plant.

Our objective is to help people understand the critical role of Waste-to-Energy operations, the environmental need of the hour, and the importance of sustainable coexistence.

During last one year, the plant has witnessed a footfall of more than 1,000 visitors, including Resident Welfare Association (RWA) representatives, school students, and college students.

In addition, awareness is being disseminated to promote responsible waste management practices.

Through our “Swachh Vahini” initiative, we are also collecting single-use plastic waste to sensitize citizens about the importance of waste segregation and recycling, while highlighting our continued contribution towards keeping Delhi cleaner and free from unmanaged waste.

V. Existing and Proposed Efficiency of Bag Filter

Reply: Existing Operating Plant:

The design efficiency of the Bag House Filter has been calculated based on the design parameters:

Inlet Flow: 150000 Nm³/Hr

Inlet Dust Load: 12 g/Nm³

Outlet Particulates: 30 mg/Nm³

The design efficiency of existing bag house filter is: 99.75 %

Proposed Expansion Plant:

The proposed Bag House Filter will be designed to ensure particulate removal up to 99.9% (0.15% higher than the existing) and compliance with the prescribed particulate standard i.e. less than 30 mg/Nm³.

VI. Ash Utilization status and Ash testing reports

Reply: The Ash Utilization data for FY’ 2025-26 is as follows:

Ash Utilization			
Particulars	Generation (MT)	Utilization (MT)	Disposal MT)
Fly Ash	12816	12816	0
Bottom Ash	66936	66936	0
Total	79752	79752	Nil
Note:			
1) Ash utilization is carried out in accordance with the DPCC directions dated 09.12.2024 and CTO issued by DPCC dated 10.01.2025.			
2) Any unutilized ash, at any given time, is send to SLF/ESLF.			

The TCLP Test Reports of Fly Ash & Bottom Ash are submitted by Project Proponent.

VII. Greenbelt Development Plan

Reply: Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Thus, a total of 3.66 ha area will be developed as a greenbelt. A 20-30 m wide greenbelt, consisting of at least 3 tiers around the plant boundary has been developed as greenbelt and green cover as per CPCB guidelines. Local and native species have been planted with a density of 2000 trees per hectare. Total no. of 5800 saplings will be planted in

the additional area and nurtured in 1.65 hectares in 3 years.

Observations and deliberation of the EAC

27. The Committee observed and noted the following:

- i. The Instant proposal is for seeking fresh Environment Clearance for setting up of a new power plant with a capacity of 45 MW enhancement from 25 MW to 45 MW in Tehkhand Village, Kalkaji Tehsil, Tehkhand District, New Delhi State of M/s Tehkhand Waste to Electricity Project Ltd.
- ii. The EAC took into consideration the KML file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH.
- iii. The existing project was accorded EC on 26/07/2018 and the same has been implemented.
- iv. Proposed expansion is envisaged within the existing land of 6.0703 Ha and no additional land is required for the proposed expansion.
- v. There is a Sanitary Landfills (SLF) located adjacent to WTE site, which is owned by Municipal Corporation of Delhi for which the Ministry accorded EC on 29/10/2018. This SLF is an interlinked project for the proposed WTE expansion as MSW from SLF will be sent to WTE for treatment and waste (ash & inert) from WTE will be sent to SLF for disposal.
- vi. There is no involvement of forest land in the proposed project.
- vii. There are three Archaeological Sites within the radius of 2 km from the project site namely Nai-ka-kot in Tughlaqabad (0.44 Km, SW); Walls, gate and bastions of Adilabad (Mohammadabad) and causeway leading there to from Tughlakabad (1.18 Km, SW) and Tomb of Ghiyasuddin Tughlakabad (1.76 Km, W) and NOC for the same has been obtained from National Monument Authority vide File No. 04/02/2025/CA/Delhi/No. 788, dated 24.02.2026-stating that the project site/aforesaid property falls beyond the regulated area of any centrally protected monument.
- viii. Asola Wildlife Sanctuary ESZ is located at 0.72 km SW & Asola Wildlife Sanctuary is located at 1.65 km SW from the project site. Okhla Bird Sanctuary ESZ is located at 4.76 Km NE and Okhla Bird Sanctuary is located at 4.83 km NE from the project site.
- ix. The project site is located at distance of 0.61 km from the Okhla Industrial Area which is a Critically Polluted Area (CPA) having CEPI score of 92.65.
- x. The technology to be employed for this WTE project is RDF combustion based reciprocating forward feed grate technology. The power generation capacity will be 45 MW. The quantity of MSW requirement for the project will be 3,65,000 MTPA.
- xi. Existing Water requirement is 490 m³/day, water requirement is obtained from Okhla STP and permission for the same has been obtained from Delhi Jal Board vide letter no. F-1/DJB/EE(SDW)V/2017/1346 dated 13.10.2017. The water requirement for the proposed project is estimated as 632 m³ /day, out of which 7 m³/day of fresh water requirement will be obtained from the DJB and the remaining requirement of 625 m³ /day will be met by the treated water from Okhla STP and in house treated water. The water is transported to the plant site through the underground pipeline. No groundwater extraction is involved in the project.
- xii. The Committee deliberated on the baseline data and incremental GLC due to the proposed project. The committee noted that the proponent is providing Boiler stack of 60 m height with APCS - Lime scrubber and activated carbon injection followed by Bag Filter for SO₂ control, Low NOX combustion system and provision for Selective Non-Catalytic Reduction (SNCR) for NO_x control and stack with a height of 60 meters will be provided to control & regulate the air emission from the proposed project.
- xiii. For odour control, the committee noted that negative Pressure Ventilation in the MSW collection pit, ventilation air

from MSW pit will be fired in the boiler and provision of fogging unit/mist system & herbal solution spray.

xiv. The committee noted that with respect to water pollution control, proponent will be using Air cooling system, wastewater from raw water treatment facilities and the boiler section will be used for flue gas conditioning and dust suppression operations and leachate will be collected, treated, and reused in the main plant. Zero liquid discharge will be adopted.

xv. The rejects/generated bottom ash is utilized in road subgrade construction and embankment. Any unutilized material will be sent to SLF/ESLF. Supplied to ash brick manufacturers and any unutilized material will be sent to SLF/ESLF.

xvi. Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development. Thus, a total of 3.66 ha area will be developed as a greenbelt. A 20-30 m wide greenbelt, consisting of at least 3 tiers around the plant boundary has been developed as greenbelt and green cover as per CPCB guidelines. Local and native species have been planted with a density of 2000 trees per hectare. Total no. of 5800 saplings will be planted in the additional area and nurtured in 1.65 hectares in 3 years.

xvii. As per MoEF&CC OM dated 29/10/25 the minimum Greenbelt requirement for projects located within the CPA is 40%, the instant proposal is situated 0.61 km away from the Okhla CPA. In view of this, Project Proponent has developed 2.01 ha. Greenbelt area which is about 33% of the total project area of 6.07 ha and proposed to develop greenbelt in additional land of approx. 1.65 ha provided by MCD at ESLF area which will increase the greenbelt to approximately 60% of the total project.

xviii. The ToR letter for the project was issued under para 7(ii) a of EIA Notification, 2006 by MoEFCC dated 16.09.2025. The Public Hearing is exempted as per Para 7(ii)(a) of EIA Notification, 2006 and its subsequent amendments. Therefore, Public Consultation was conducted by the DPCC between 30.09.2025 to 29.10.2025, in compliance of EIA Notification, 2006 and its subsequent amendments. The committee advised the PP to implement the PH action plan in a time bound manner.

xix. The capital cost of the proposed project is Rs 3,563.10 lakhs and the annual recurring cost towards the environmental protection measures are Rs. 670 lakh for existing and Rs.132.81 lakh for the proposed project. The employment generation from the proposed project / expansion is 45 nos.during the operation phase and 262 workers during the construction phase.

xx. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components.

xxi. The Committee deliberated on the Project Proponents response to comments of DPCC dated 25/03/2026 and found it satisfactory and advised the PP to adhere to the direction of DPCC.

xxii. The Committee also deliberated on the comments received from Commission on Air Quality Management wherein it has been emphasized upon that proposed project shall undertake strict control measures to control the air pollution arising due to other activities linked to WTE plant construction and operation (e.g., C&D, transportation, road dust, etc) and all the Directions, Advisories and Orders issued by the Commission in this regard from time to time shall be followed strictly. The committee asked the proponent to ensure compliance with the same.

xxiii. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xxiv. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

Recommendations of the Committee:

28. The EAC after detailed deliberations on the information submitted and as presented during the meeting recommended for grant of Environmental Clearance to the proposed “*Expansion of Existing 25 MW Waste to Energy (WTE) Plant to 45 MW by M/s Tehkhand Waste to Electricity Project Limited located at adjacent DTC Tehkhand, Depot, Maa Anandmai Marg, District Southeast, New Delhi*”, under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and standard/general conditions (**Annexure 1**).

29. The MoEF&CC has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the EAC hereby accords Environmental Clearance to **M/s. Tehkhand Waste to Electricity Project Limited** for “*Expansion of Existing 25 MW Waste to Energy (WTE) Plant to 45 MW, located at adjacent DTC Tehkhand, Depot, Maa Anandmai Marg, District Southeast, New Delhi*” subject to compliance of the Specific/General environmental conditions (**Annexure 1**).

30. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

31. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

32. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

33. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

34. General Instructions:

(i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC website where it is displayed.

(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.

(iii) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(v) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(vi) The Regional Office of this MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(vii) Validity of EC is as per the provision of EIA Notification, 2006 and its subsequent amendment.

35. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India /

High Courts and any other Court of Law relating to the subject matter.

36. This issue with an approval of the Competent Authority

Yours faithfully,
(Sundar Ramanathan)
Scientist 'F'
Tel: 011- 20819378
Email- r.sundar@nic.in

Copy To

1. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
2. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
3. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
4. The District Collector, DC Office, Old Gargi College Building Iajpat Nagar -IV Delhi, South East, Delhi, dcse.rev.delhi@nic.in
5. The Deputy Director General, Regional Office, Deputy Inspector General Of Forests (Central) Ministry Of Environment Forest And Climate Change Regional Office Kendriya Bhawan 11th Floor Sector "H" Aliganj Lucknow – 226024., N/A, N/A, rocz.lko-mef@nic.in
6. The Member Secretary, SPCB/PCC, 4th Floor Isbt Building Kashmere Gate, Central, Delhi, msdpcc@nic.in
7. The Secretary, Ministry of Power, Shram Shakti Bhawan Rafi Marg New Delhi 110001, New Delhi, Delhi, Secy-power@nic.in
8. The Chairman, Central Electricity Authority, Sewa Bhawan R.K. Puram New Delhi-110066., New Delhi, Delhi, chair@nic.in

Annexure 1

Specific EC Conditions for (Thermal Power Plants)

1. [A] Environmental Management

S. No	EC Conditions
1.1	The incoming Municipal waste of 3,65,000 MTPA shall be processed at proposed waste to energy plant as committed. All the waste received shall be kept under a covered storage facility equipped with impermeable base and provision for collection of leachate leading to a leachate treatment and disposal facility.
1.2	All the environmental safeguards prescribed by the DPCC vide its letter dated 25.03.2026 for the instant expansion proposal in pursuance to the MoEF&CC O.M. dated 14.01.2025 and its subsequent amendment shall be complied with. Compliance in this regard shall be submitted to the Regional Office of MoEF&CC along with the six-monthly compliance report.
1.3	Project proponent shall take necessary precaution to minimize nuisance of odour, flies, rodents, bird menace and fire hazard in the waste storage pit, around & over windrows and in processing area.
1.4	Proponent shall ensure that pre-process and post-process rejects shall be removed from the compost processing facility on regular basis and shall not be allowed to pile at the site. Recyclables shall be sent to authorized recyclers. The non-recyclables having high calorific fraction (>1500 kcal/kg) shall be segregated and sent to waste to energy.

S. No	EC Conditions
1.5	Project Proponent shall ensure that waste to be incinerated shall not be chemically treated with any chlorinated disinfectants and incineration of chlorinated plastics shall not occur. All the facilities in twin chamber incinerators shall be maintained to achieve a minimum temperature of 950°C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 seconds. Incinerators shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon (TOC) content in the slag and bottom ash less than 3%, or the loss on ignition is less than 5% of the dry weight. The CO ₂ concentration in tail gas shall not be more than 7%.
1.6	Project proponent shall ensure that utilization of ash generated in accordance with the directives of Delhi Pollution Control Committee (DPCC). No ash pond is permitted within the project site. Any unutilized ash and inerts from processing of municipal solid waste in the proposed expansion project shall be sent to Engineered Sanitary Landfill (ESLF) for its safe disposal. In case the concentration of toxic metals in incineration ash exceeds the limits specified in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended from time to time, the Project Proponent shall send the ash to the Treatment, Storage and Disposal Facility for Hazardous Waste at Bawana in Delhi.
1.7	Online Continuous Stack Emission Monitoring System (OCEMS) shall be done through 24X7 online monitoring system. The emission Standards for Municipal Solid Waste based Thermal Power Plants as per Municipal Solid Waste Rules, 2026 dated 1.4.2026 (S.O. 1357 (E)) shall be complied (Refer Part C of Schedule II of Municipal Solid Waste Rules, 2026 dated 1.4.2026 (S.O. 1357 (E))). OCEMS shall be calibrated properly to ensure that data matches with the actual monitoring results.
1.8	The total water requirement for the proposed project is estimated as 632 m ³ /day, out of which approx. 7 m ³ /day of fresh water requirement will be obtained from the DJB and the remaining requirement of 625 m ³ /day will be met from the treated water from Okhla STP, DJB and inhouse treated water. The water is transported to the plant site through the underground pipeline. No groundwater extraction is involved in the project. Air-Cooled Condenser shall be used to reduce fresh water requirement.
1.9	Project proponent shall harvest rainwater in a storage tank within the plant premises and utilize the same for plantation, recharging water in the pond and domestic utilization as committed. PP shall provide separate garland drains to prevent mixing of leachate with storm water. A record shall be maintained of water collected through rainwater and its supply system. PP shall get the water audit done every year to optimize the water requirement.
1.10	Project proponent shall implement the protective measure proposed in EMP in a time-bound manner. The budget earmarked for the same is Rs. 35.63 Crores (Capital) and Rs. 1.32 crores (recurring) for the proposed expansion and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
1.11	Effluent of 354 KLD shall be treated through Leachate Treatment Plant. As committed by the Project proponent, Zero liquid discharge shall be adopted for the proposed plant. No wastewater will be discharged outside the project site. A detailed action plan regarding leachate handling shall be prepared and implemented in consultation with SPCB and the same shall be submitted to the Regional Office of the Ministry. Leachate shall be treated and reused. No treated leachate shall be discharged in any circumstances. Characteristics of Leachate and the treated leachate shall be monitored once in quarter and records shall be maintained.

S. No	EC Conditions
1.12	Project proponent shall implement the concurrent plantation plan in a time bound manner. Total of 3.66 ha. area (project site: 2.01 Ha; Outside project site: 1.65 Ha) shall be maintained as a greenbelt in a time frame of 2-3 years. Three tier green belt all along the periphery of the project site shall be developed by gap plantation in existing green belt area as per CPCB guidelines with tall saplings of not less than 2 meter height within 1 year. The budget earmarked for the greenbelt shall be kept in a separate account and audited annually.
1.13	PP should annually submit the audited statement of expenditure along with proof of activities viz. photographs (before & after with geolocation date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC and on PARIVESH Portal as the case may be for the activities carried out during previous year.
1.14	Project proponent shall carry out community plantation with incentive scheme by distributing 5,000 saplings mainly of fruit species per year for a period of five years. Further, PP shall provide basic facilities to the nearby schools such as drinking water, sanitation facilities and shall also develop greenbelt around the nearby schools. Further, PP shall organize quarterly awareness programs for school students to educate them on the significance and preservation of trees.
1.15	Wildlife conservation plan as approved by the competent authority shall be implemented. Additional, budget shall be added in the plan, in case additional measures suggested by state wildlife department. The final Wildlife conservation plan duly approved by the CWLW shall be submitted to RO, MoEF&CC within a time frame of three months from the date of grant of EC and the budget approved by the concerned authority shall be deposited in government account.
1.16	Project proponent shall install LED display of air quality (Continuous AAQ monitoring) and stack emission (Continuous emission monitoring) at prominent locations preferably outside the plant's main entrance for public viewing and in administrative complex and maintenance of devices shall be done regularly.
1.17	Project proponent shall install adequate number of anti-smog guns at the periphery of the project boundary facing inwardly at a suitable height and explore the possibility for vertical gardens in order to bring down the particulate matter concentration in the area along with carry out Water Sprinkling on roads inside the plant area/ administrative areas on a regular basis to control the air pollution. A logbook shall be maintained for the activity and be in six-monthly compliance report.
1.18	Project proponent shall deploy mechanical road sweepers for everyday cleaning of the roads in and around plant site.
1.19	Environment Audit of plant shall be done annually and report shall be submitted to Regional office of the Ministry.
1.20	Monitoring of surface water quality and Ground Water quality shall also be regularly conducted in and around the project site and records to be maintained. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report. The monitored data shall be submitted regularly on PARIVESH portal as part of Half Yearly compliance report
1.21	For the DG sets, emission limits and the stack height shall be in conformity with the extant

S. No	EC Conditions
	regulations and the latest CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
1.22	Project proponent shall ensure that plastic waste generated from the plant except chlorinated plastics shall be used as RDF for the in-house incinerators. The chlorinated plastics waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2026 (as amended). In pursuant to the Ministry's OM dated 18/07/2022. PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report submitted by Project proponent.
1.23	PP is advised to implement the 'Ek Ped Maa Ke Naam' Campaign which was launched on 5th June 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Greenbelt development. The action in this regard shall be submitted concerned RO in six monthly report.
1.24	All the Directions, Advisories and Orders of Commission for Air Quality Management in National Capital Region and Adjoining Areas from time to time shall be complied upon by the project proponent.

2. [B] Socio-economic

S. No	EC Conditions
2.1	All the recommendations of the epidemiological study report by IIHMR Delhi shall be complied upon by the project proponent in a time bound manner and compliance status in this regard shall submitted along with the six monthly compliance report. In addition to this, proponent shall carry out a Root Cause Analysis (RCA) study to assess the prevalence of water borne diseases in the areas adjacent to the proposed project. The study report along with the recommendations shall be submitted to the Regional Office of the Ministry along with the six monthly compliance report.
2.2	The budget proposed for PH is Rs. 1.16 Crores. The budget proposed shall be kept in a separate account and audited annually. Project proponent shall implement the action plan to address the issues raised during public hearing within a time frame of 5 years from the date of grant of EC. In addition to this, PP shall provide medical camps in the study area for better public health, strengthen existing roads, provide RO for drinking water, develop skills of local people, etc. as committed. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office of MoEF&CC.
2.3	The establishment of a robust public grievance redressal mechanism to address concerns and complaints from local communities regarding the power plant's operations, environmental impacts, or social issues shall be developed. A Senior Officer shall review the functioning of the mechanism twice in a month.

3. [C] Miscellaneous

S. No	EC Conditions
3.1	An Environmental Cell headed by the Environment Manger with postgraduate qualification in environmental science/environmental engineering, shall be created. It shall be ensured that the Head of the Cell shall directly report to the Head of the Plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.
3.2	Consent under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 and Authorization under Solid Waste Management Rules, 2026 and Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016 for the proposed project shall be obtained from the Delhi Pollution Control Committee.
3.3	All necessary clearance from the concerned Authority, as may be applicable should be obtained prior to commencement of project or activity.

Standard EC Conditions for (Thermal Power Plants)

1. Statutory Compliance

S. No	EC Conditions
1.1	Part A, B & C of Schedule II of Solid Waste Management Rules, 2026 which came into force vide S.O. 1357 (E) on 01.04.2026 as amended from time to time shall be complied for standards for composting, treated leachate (generated from waste) and incineration of Municipal Solid Waste.
1.2	Environmental Guidelines for Compressed Biogas Plant (CBG)/Bio-CNG Plants, 2022 of CPCB shall be followed for biomethanation plant based on municipal solid waste.
1.3	Mode of transportation of municipal solid waste, ash and inerts: i. Waste shall be transported in covered vehicles and the wheel-washing facility shall be provided at the entry and exit of the plant. ii. PP shall transport fly ash / bottom ash / inerts in properly covered vehicles and ensure that no fugitive emission occurs in the air during loading, unloading and transportation.

2. Air Quality Monitoring And Management

S. No	EC Conditions
2.1	Project proponent shall manage the foul odour emerging as a result of waste processing as per CPCB guidelines issued from time to time.
2.2	Negative Pressure shall be maintained in the Waste Storage Pit from the waste pit. Pressure monitoring system showing the atmospheric pressure and pressure inside the waste pit shall be installed and the data shall be transferred to CPCB and DPCC through server.
2.3	Selective Non-Catalytic Reduction (SNCR) system or Low NOx combustion system shall be

S. No	EC Conditions
	installed to achieve NO _x emission standard as prescribed in Solid Waste Management Rules, 2026 or by DPCC whichever is stringent.
2.4	Hydrated lime and activated carbon injection system shall be installed for controlling SO ₂ and HCl emissions in flue gas. Bag Filter House made of PTFE (Polytetrafluoroethylene) with 130% design capacity for controlling Particulate matter emissions shall be installed to ensure that particulate matter (PM) emission meet the stipulated standards of 30 mg/Nm ³ .
2.5	One stack with a height of 60 meters shall be provided with continuous online monitoring instruments for SO ₂ , NO _x and Particulate Matter as per extant rules.
2.6	Project proponent shall ensure that all the parameters including TOCs in stack emissions to meet the standards as prescribed in Solid Waste Management Rules, 2026 or by DPCC whichever are stringent.
2.7	Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM ₁₀ , PM _{2.5} , SO ₂ , NO _x within the plant area at one location. The monitoring of other locations (at least three locations outside the plant area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.
2.8	Adequate dust extraction/suppression system shall be installed in waste handling, ash handling areas and material transfer points to control fugitive emissions.
2.9	Appropriate Air Pollution Control measures shall be provided at all the dust generating sources including sufficient water sprinkling arrangements at various locations viz., roads, excavation sites, crusher plants, transfer points, loading and unloading areas, etc.

3. Noise Pollution And Its Control Measures

S. No	EC Conditions
3.1	The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.
3.2	Persons exposed to high noise generating equipment shall use Personal Protective Equipment (PPE) like earplugs/ear muffs, etc.
3.3	Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non-noisy/less noisy areas.

4. Human Health Environment

S. No	EC Conditions
4.1	Personnel's handling municipal solid waste or being present on the tipping floor shall be provided with PPE like shoe covers, gloves, masks, etc.

S. No	EC Conditions
4.2	A separate canteen far from the waste management area shall be provided for employees. All the basic sanitation facilities shall also be provided to all the employees.
4.3	Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account chronic exposure of locals to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.
4.4	The PP should have one Community Health Centre in the campus, where the citizens from nearby area can have access to it and get treatment.

5. Water Quality Monitoring And Management

S. No	EC Conditions
5.1	Regular (at least once in six months) monitoring of groundwater quality in and around the proposed waste to energy plant including presence of heavy metals (Hg, Cr, As, Pb, etc.) shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & its activities.
5.2	The treated effluents emanating from the different processes such as RO & DM plant, boiler blow down, sewage, etc. conforming to the prescribed standards shall be recycled and reused. Sludge/rejects will be disposed in accordance with the Hazardous Waste Management Rules.
5.3	Leachate of 354 KLD and sewage of 6 KLD making the quantum as 360 KLD shall be treated collectively in Leachate Treatment Plant to meet the standards as laid down in Solid Waste Management Rules, 2026. Treated leachate shall be recycled and utilized in the process and for quenching ash within the premises of the proposed WTE plant.
5.4	Project proponent shall use the sludge obtained from the Leachate Treatment Plant as fuel into incinerator after dewatering by screw press technique.

6. Risk Mitigation And Disaster Management

S. No	EC Conditions
6.1	PP shall install radioactive sensors at the entry point of the Waste to Energy plant to detect any radioactive material in the receiving municipal solid waste.
6.2	Adequate safety measures and environmental safeguards shall be provided in the plant area to control spontaneous fires in yard, especially during dry and humid season.
6.3	Only RDF shall be fed into incinerator for generation of energy and no other kinds of fuel shall be used.

S. No	EC Conditions
6.4	Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
6.5	Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within the plant boundary.
6.6	Regular mock drills for on-site emergency management plan and Integrated Emergency Response System shall be developed for all kind of possible disaster situations.

7. Green Belt And Biodiversity Conservation

S. No	EC Conditions
7.1	Greenbelt covering 33% of the plot area i.e. 2.0142 ha has been developed inside the plant boundary. Additional plantation in an area of 1.65 ha will be undertaken in coordination with MCD at adjacent ESLF area as confirmed by MCD vide Letter No. EE/SLF/OKHLA/MCD/2025-26/D-593, dated 24.02.2026, regarding land allocation for greenbelt development.
7.2	In-situ/ex-situ Conservation Plan for the flora and fauna in the vicinity of the proposed site should be prepared and implemented.

8. Waste Management

S. No	EC Conditions
8.1	Municipal solid waste management should be planned in accordance with extant Solid Waste Management Rules, 2026.
8.2	Toxicity Characteristic Leachate Procedure (TCLP) test shall be conducted for compost, ash produced or any other substance, potential of leaching heavy metals into the surrounding areas as well as into the groundwater.
8.3	Ash shall be utilized as per the directives of DPCC. Rejects/unutilized ash shall be disposed of in the Engineered Sanitary Landfill (ESLF). In case the concentration of toxic metals in incineration ash exceeds the limits specified in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended from time to time, the PP shall send the ash to the Treatment, Storage and Disposal Facility for Hazardous Waste at Bawana in Delhi.

9. Monitoring Of Compliance

S. No	EC Conditions
9.1	Energy Conservation Plan to be implemented as envisaged in the EIA / EMP report.
9.2	The project proponent shall (Post-EC Monitoring): a. Send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal

S. No	EC Conditions
	bodies and relevant offices of the Government; b. Upload the clearance letter on the web site of the company as a part of information to the general public. c. Inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at http://parviesh.nic.in. d. Upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically; e. Monitor the criteria pollutants level namely; PM (PM10 & PM2.5 in case of ambient AAQ), SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company; f. Submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB; g. Submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company; h. Inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project and the date of commencement of the land development work.

10. Corporate Environmental Responsibility (Cer) Activities

S. No	EC Conditions
10.1	Activities under Extended EMP will be carried out as per Ministry's OM F.No.22- 65/2017- IA.III dated 30th September, 2020 and 22-65/2017- IA.III dated 25.02.2021 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting. Statement on the commitments (activity-wise) made during public hearing to facilitate the discussion on the Extended EMP in compliance of the shall be submitted.