



File No.: J-13012/16/2014-IA.I(T)
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Dated 13/08/2026



To,

Sh. Kamal Kumar Jana
M/s. Hiranmaye Energy Limited
Plot-X-1-2&3, Block-EP, Sector-V, Salt Lake City, Kolkata-700091, West Bengal
E-mail: kamal.jana@hiranmayeenergy.in

Subject: 2x150 MW Coal Fired Thermal Power Plant by M/s Hiranmaye Energy Limited at Haldia, Distt. Purba Medinipur, West Bengal – Amendment in Environment Clearance with respect to Sulphur dioxide emission standards as per MoEF&CC Notification dated 11/07/2025 – regarding

Sir/Madam,

This is with reference to your online application vide proposal No. IA/WB/THE/564520/2026 dated 08.01.2026 along with written submission dated 21.07.2026 seeking for amendment in Environment Clearance accorded by the SEIAA, West Bengal vide letter dated 26/09/2018 and its subsequent amendments as per MoEF&CC Notification dated 11/07/2025 under the provisions of the EIA Notification, 2006, for the project mentioned above

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A0601WB5298590A
(ii) File No.	J-13012/16/2014-IA.I(T)
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	1(d) Thermal Power Plants
(vi) Sector	Thermal Projects 2x150 MW Coal Fired Thermal Power Plant by M/s Hiranmaye Energy Limited at Haldia, Distt. Purba Medinipur, West Bengal – Amendment in Environment Clearance with respect to Sulphur dioxide emission standards as per MoEF&CC Notification dated 11/07/2025
(vii) Name of Project	
(viii) Location of Project (District, State)	Purba Medinipur, West Bengal

(ix) Issuing Authority	MoEF&CC
(x) EC Date	26/09/2018
(xi) Applicability of General Conditions	NO
(xii) Status of implementation of the project	

3. M/s Hiranmaye Energy Limited has submitted an online application vide proposal no. IA/WB/THE/564520/2026 dated 08.01.2026 along with Form 4 & addendum EIA report prepared through QCI/NABET accredited consultant and sought for amendment in the Environmental Clearance accorded by the SEIAA, West Bengal vide Letter No. 3224/EN/T-11-1/001/2009 dated 26/09/2018 and its subsequent amendments granted therein for the above mentioned project with respect to Sulphur dioxide emission standards as per MoEF&CC Notification dated 11/07/2025 under the provisions of the EIA Notification, 2006.

4. The instant proposal was earlier considered by the EAC in its 39th meeting held on 25th February 2026 wherein the proposal was deferred for want of additional information. Proposal was further considered by the EAC in its 47th meeting held on 10th July 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 existing project of Thermal Power Plant was originally granted Environmental Clearance in favour of M/s India Power Corporation Limited for setting up 3 x 135 MW Thermal Power Plant at JL – 94, Mouza – Kismatsibrampur, JL No. – 170, Mouza – Tentulberia, JL No. – 147, Mouza – Sovarampur, JL No. 146, Mouza – Kashbere, PS – Bhabanipur, Haldia, East Medinipur, West Bengal vide letter no EN/1125/T-11-1/001/2009 dated 12.04.2010 under EIA, 2006. Subsequently, following amendment has been obtained in the said ECs:

S.No	Date	Purpose	Details	Remarks
1.	14/10/2014	EC amendment	Change in configuration of project from 3 x 135 MW to 3 x 150 MW	Issued by MoEF&CC
2.	17/10/2016	EC amendment	Use of imported coal and in case of shortfall of imported coal, if any, a blend of maximum 30% domestic e-auction coal may be used	
3.	10/10/2017	Extension of validity of EC	Validity extended till 30/10/2019	
4.	04/04/2018	Change of company name	M/s India Power Corporation Limited to M/s. Hiranmaye Energy Limited	
5.	26/09/2018	EC amendment in supersession of previous EC & its amendments	Use of domestic coal with the flexibility of use of imported coal to maintain continuous power generation	SEIAA – West Bengal
6.	19/12/2019	Extension of validity of EC	Validity extended till 11/04/2020	

6. Environmental Site Settings

S.no	Particulars	Details	Remarks
1.	Total Land	As per EC – 121.45 ha (300 Acre) As on date – 85.23 ha (Leased with H.D.A-80.26 ha and purchase land -4.97 ha.) Note: The earlier EC was obtained on the basis of offer received from Haldia Development Authority for allotment of 121.45 ha for installation of 3x135MW TPP. However, only 85.23 ha land got allotted to us. Hence plant has been set up in 85.23 ha land with 2x150	Land Use: Industrial

S.no	Particulars	Details				Remarks																				
		MW TPP.																								
2.	Land Use Breakup	Facilities		Existing Area (ha)																						
		Plant Boundary		2.90																						
		Security Building		0.03																						
		Admin Building		0.60																						
		Weigh Bridge area		0.16																						
		Raw water Pump house		0.40																						
		Fire Station Building		0.21																						
		Raw water Reservoir area		6.95																						
		CHP area		8.97																						
		Free Area Near Main gate		0.55																						
		Silo 1&2, Switchgear Room		0.17																						
		Cooling Tower-1&2, Cw Pump house,Ducts		1.69																						
		RGF		0.63																						
		Permanent Store		0.30																						
		DM Plant, ETP Guard pound, De-Bin (WTP)		2.54																						
		Chlorination Building		0.17																						
		Workshop Building		0.22																						
		Canteen Area		0.13																						
		LDO		0.23																						
		Ash Utility Building		0.43																						
		ESP-1,2&3 and Mill-1,2 &3,Boiler-1,2&3		3.18																						
		Power House, Compressor, Transformer yard		3.57																						
		Switchyard area		3.42																						
		Chimney & FGD Area		1.85																						
		ETP building		0.17																						
		Road & Drain		8.00																						
		Ash Dyke Area		8.09																						
		Green Belt & Gardens Area		28.32																						
		Open Store yard Near Cooling Tower-1&2.		0.90																						
		Other Misc vacant areas and Interfaces		0.45																						
		Total Area		85.23																						
3.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014 & 19/02/2025	Out of the total land 85.23 ha, 80.26 ha land has been taken on lease, and 4.97 ha has been purchased through private owners.																								
4.	Existence of habitation & involvement of R&R, if any.	Project Site – Nil Study Area:- <table><tr><th>S.No.</th><th>Name</th><th>Distance</th><th>Direction</th></tr><tr><td>1</td><td>Tentulberiya</td><td>0.15</td><td>SW</td></tr><tr><td>2</td><td>Sobharampur</td><td>0.25</td><td>W</td></tr><tr><td>3</td><td>Dihi Sibramnagar</td><td>0.3</td><td>N</td></tr><tr><td>4</td><td>Paran Chak</td><td>0.9</td><td>ESE</td></tr></table>				S.No.	Name	Distance	Direction	1	Tentulberiya	0.15	SW	2	Sobharampur	0.25	W	3	Dihi Sibramnagar	0.3	N	4	Paran Chak	0.9	ESE	
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S.no	Particulars	Details				Remarks																																																																		
		5	Debhag	1	SW																																																																			
		6	Shibrampur	1.5	SE																																																																			
		7	Rajarampur	1.7	ENE																																																																			
		8	Chaulkhola	2	NNW																																																																			
5.	Existence of school and hospitals if any.	A. School Project Site – None Nearby Schools <table><tr><th>School</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>Doro Sovarampur primary school</td><td>0.5</td><td>W</td></tr><tr><td>Tentulberia Primary School</td><td>1</td><td>SSW</td></tr><tr><td>Haldia Institute of Technology</td><td>3.6</td><td>SW</td></tr><tr><td>Vivekananda Mission Mahavidyalaya</td><td>6.6</td><td>N</td></tr></table> B. Hospital Project Site – None Nearest Hospitals <table><tr><th>School</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>Tentulberia Primary Health Centre</td><td>1.1</td><td>SSW</td></tr><tr><td>ESIC Hospital</td><td>6.3</td><td>W</td></tr><tr><td>Dr. Bidhan Chandra Roy Hospital</td><td>6.5</td><td>W</td></tr></table>				School	Distance (km)	Direction	Doro Sovarampur primary school	0.5	W	Tentulberia Primary School	1	SSW	Haldia Institute of Technology	3.6	SW	Vivekananda Mission Mahavidyalaya	6.6	N	School	Distance (km)	Direction	Tentulberia Primary Health Centre	1.1	SSW	ESIC Hospital	6.3	W	Dr. Bidhan Chandra Roy Hospital	6.5	W																																								
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6.	Latitude & 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>1</td><td>22° 5'10.05"N</td><td>88° 6'25.65"E</td></tr><tr><td>2</td><td>22° 5'7.73"N</td><td>88° 6'29.19"E</td></tr><tr><td>3</td><td>22° 5'1.04"N</td><td>88° 6'31.09"E</td></tr><tr><td>4</td><td>22° 4'58.78"N</td><td>88° 6'23.52"E</td></tr><tr><td>5</td><td>22° 4'55.95"N</td><td>88° 6'25.06"E</td></tr><tr><td>6</td><td>22° 4'51.88"N</td><td>88° 6'25.81"E</td></tr><tr><td>7</td><td>22° 4'49.44"N</td><td>88° 6'21.27"E</td></tr><tr><td>8</td><td>22° 4'48.69"N</td><td>88° 6'17.62"E</td></tr><tr><td>9</td><td>22° 4'50.95"N</td><td>88° 6'17.44"E</td></tr><tr><td>10</td><td>22° 4'52.39"N</td><td>88° 6'13.25"E</td></tr><tr><td>11</td><td>22° 4'54.18"N</td><td>88° 6'12.37"E</td></tr><tr><td>12</td><td>22° 4'50.86"N</td><td>88° 6'12.14"E</td></tr><tr><td>13</td><td>22° 4'35.68"N</td><td>88° 6'8.11"E</td></tr><tr><td>14</td><td>22° 4'26.86"N</td><td>88° 5'48.28"E</td></tr><tr><td>15</td><td>22° 5'1.17"N</td><td>88° 5'49.32"E</td></tr><tr><td>16</td><td>22° 4'59.37"N</td><td>88° 5'53.75"E</td></tr><tr><td>17</td><td>22° 5'0.88"N</td><td>88° 6'2.72"E</td></tr><tr><td>18</td><td>22° 5'2.20"N</td><td>88° 6'0.79"E</td></tr><tr><td>19</td><td>22° 4'58.72"N</td><td>88° 6'5.98"E</td></tr><tr><td>20</td><td>22° 4'59.21"N</td><td>88° 6'8.29"E</td></tr><tr><td>21</td><td>22° 5'11.48"N</td><td>88° 6'10.04"E</td></tr></table> B. Ash Pond				Point	Latitude	Longitude	1	22° 5'10.05"N	88° 6'25.65"E	2	22° 5'7.73"N	88° 6'29.19"E	3	22° 5'1.04"N	88° 6'31.09"E	4	22° 4'58.78"N	88° 6'23.52"E	5	22° 4'55.95"N	88° 6'25.06"E	6	22° 4'51.88"N	88° 6'25.81"E	7	22° 4'49.44"N	88° 6'21.27"E	8	22° 4'48.69"N	88° 6'17.62"E	9	22° 4'50.95"N	88° 6'17.44"E	10	22° 4'52.39"N	88° 6'13.25"E	11	22° 4'54.18"N	88° 6'12.37"E	12	22° 4'50.86"N	88° 6'12.14"E	13	22° 4'35.68"N	88° 6'8.11"E	14	22° 4'26.86"N	88° 5'48.28"E	15	22° 5'1.17"N	88° 5'49.32"E	16	22° 4'59.37"N	88° 5'53.75"E	17	22° 5'0.88"N	88° 6'2.72"E	18	22° 5'2.20"N	88° 6'0.79"E	19	22° 4'58.72"N	88° 6'5.98"E	20	22° 4'59.21"N	88° 6'8.29"E	21	22° 5'11.48"N	88° 6'10.04"E	
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S.no	Particulars	Details			Remarks															
		Point	Latitude	Longitude																
		Ash Pond (I)																		
		1	22° 5'9.65"N	88° 6'11.98"E																
		2	22° 5'11.15"N	88° 6'16.98"E																
		3	22° 5'4.98"N	88° 6'16.95"E																
		4	22° 5'3.64"N	88° 6'11.07"E																
		Ash Pond (II)																		
		5	22° 5'11.08"N	88° 6'17.81"E																
		6	22° 5'9.21"N	88° 6'24.01"E																
		7	22° 5'6.05"N	88° 6'22.16"E																
		8	22° 5'5.16"N	88° 6'17.87"E																
		7.	Elevation of the project site	19 m Above Mean Sea Level																
		8.	Involvement of Forest land if any.	No forest land is involved																
9.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project Site – None Nearby Water bodies <table><tr><th>Water Body</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>Pond Haldia Municipality Pool</td><td>2.4</td><td>SW</td></tr><tr><td>Hooghly River</td><td>4.2</td><td>SE</td></tr><tr><td>Pond Near Kshudiram Nagar</td><td>4.4</td><td>SW</td></tr><tr><td>Haldi River</td><td>7.4</td><td>SW</td></tr></table>			Water Body	Distance (km)	Direction	Pond Haldia Municipality Pool	2.4	SW	Hooghly River	4.2	SE	Pond Near Kshudiram Nagar	4.4	SW	Haldi River	7.4	SW	
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10.	Existence of ESZ/ ESA/ National park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	No ESA/ESZ present within 10 km radius																		
11.	Archaeological sites monuments/ historical temples etc.	Not present within 10 km radius																		
12.	Facility envisaged in CRZ area (Only for coastal power plant)	Nil																		
13.	Involvement of Critically Polluted Area/Severely Polluted area as per 2018 CEPI Score	Nil and Not applicable																		

7. The implementation status of the existing EC dated 12.04.2010 and its amendment is furnished as below:

S. No.	Configuration	Capacity (MW)	Date of accord of EC	Date of commissioning	Production as per CTO	Applicable emission norms as per notification dated 7/12/2015 & its amendment
1.	3 x 150 MW	450 MW	12.04.2010 and its amendment	1 x 150 MW-23.02.2017	300 MW	PM – 50 mg/ Nm ³ SO ₂ - 600 mg/ Nm ³

S. No.	Configuration	Capacity (MW)	Date of accord of EC	Date of commissioning units	Production as per CTO	Applicable emission norms as per notification dated 7/12/2015 & its amendment
				1 x 150 MW-09.04.2018		NOx – 300 mg/Nm ³

8. Details of Thermal Power Plant: Total land requirement for the TPP is 85.23 ha [Govt. Land 80.26 ha; Private land 4.97 ha]. There are no national parks, Biosphere Reserves, Eco-sensitive zone, Tiger/Elephant Reserves and Wild Life Corridors within 10 km distance from the project site as ascertained from DSS.

Parameter	Details as per EC	Status as on July 2026	Remarks
Total Land Area (Ha)	121.45	85.23	The earlier EC was obtained on the basis of offer received from Haldia Development Authority for allotment of 121.45 ha for installation of 3x135MW TPP. However, only 85.23 ha land got allotted to HEL. Hence, plant has been set up in 85.23 ha land with 2x150 MW TPP.
Involvement of Forest Land (Ha)	NA	NA	No Forest land involved
NBWL Clearance	Nil	Nil	Not applicable
CPA/SPA	Nil	Nil	Nil

9. Background for amendment sought by the proponent

With respect to the instant EC amendment proposal, following was apprised to the members of the EAC during the meeting:

- Initially, MoEF&CC (erstwhile MoEF) notified stack emission standards for Particulate Matter (PM) parameter vide Notification dated 03.01.1989 requiring TPPs to install Electrostatic Precipitators (ESPs) to reduce emission.
- MoEF&CC notified stack height regulation for TPPs vide Notification dated 30.08.1990. The said notification outlined stack height regulations based on the plant's capacity and Sulphur content in the fuel, ensuring proper dispersion of the pollutants (SO₂ and NO_x) through adequately large stacks
- MoEF&CC vide its notification dated 07.12.2015 stipulated emission standards for coal/lignite-fired TPPs, which included revised emission standards for Particulate Matter (PM), and newly introduced emission standards for Sulphur dioxide (SO₂), Oxides of Nitrogen (NO_x), and Mercury (Hg) parameters with timelines
- MoEF&CC vide notification dated 11/07/2025 amended the provisions related to Sulphur dioxide emission standards for Category –B Thermal Power Plants (TPPs) as “for all Category B Plants or Units, whether existing or upcoming, the applicability of Sulphur dioxide emission standards, shall be decided on a case to case basis by the Central Government based upon the recommendations of the Expert Appraisal Committee in charge of Thermal Power Projects constituted under Environment Impact Assessment notification 2006 based on the appropriate scientific studies.”
- As per the CPCB categorization dated 23/06/2022 with the respect to Sulphur di-oxide (SO₂) emission norms, 2 x 150 MW TPP of M/s Hiranmaye Energy Limited falls under Category B at Serial no. 136-137.
- In pursuance to the MoEF&CC Notification dated 11/07/2025, M/s Hiranmaye Energy Limited has submitted their application for amendment in EC within the prescribed time frame seeking for review of Sulphur dioxide emission standards

10. The summary of the information submitted by the proponent in the addendum EIA report is as follows:

- Average coal consumption and the average Sulphur content of coal is being used in the TPP for last three months period.*

Month	Coal consumption in MT Unit wise		
	Unit - I	Unit - II	Total
September 2025	71472	67715	139187
October 2025	65722	71396	137118
November 2025	57937	57329	115266

Month	Coal consumption in MT Unit wise		
	Unit -I	Unit - II	Total
Domestic Coal is being used while maintaining Sulphur content<0.5%.			

ii. *Minimum, maximum and 98th percentile levels of ambient PM₁₀, PM_{2.5}, NO_x, and SO₂ from secondary monitored AAQ data for last three months period.*

S. No.	Name of location	Parameters being monitored	Remarks
1	Priyambada Housing Society, Haldia	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂	CPCB Monitoring Station
2	HEL Plant – Near Admin Building	PM ₁₀ , PM _{2.5} , SO ₂ , NO ₂	Third Party Monitoring
3	HEL Plant – Near Gate 3		
4	HEL Plant – Near CHP Plant		
5	Village - Rajarampur		
6	Village - Tentulberia		

Summary of AAQ Result of September- November 2025

S. No.	Name of location	Parameter	Concentration in g/m ³			NAAQS
			Min	Max	Average	
1.	Priyambada Housing Society, Haldia	PM ₁₀	17.58	219.89	89.98	100
		PM _{2.5}	7.67	122.90	49.36	60
		SO ₂	7.28	23.47	12.21	80
		NO ₂	8.19	14.18	11.34	80
2.	HEL Plant – Near Admin Building	PM ₁₀	60.40	78.20	67.35	100
		PM _{2.5}	32.50	49.20	39.03	60
		SO ₂	5.37	6.22	5.76	80
		NO ₂	21.45	27.03	23.76	80
3.	HEL Plant – Near Gate 3	PM ₁₀	65.40	81.60	73.10	100
		PM _{2.5}	37.10	50.40	43.20	60
		SO ₂	5.02	6.46	5.84	80
		NO ₂	20.47	27.51	24.39	80
4.	HEL Plant – Near CHP Plant	PM ₁₀	71.50	91.50	80.25	100
		PM _{2.5}	43.70	53.70	48.43	60
		SO ₂	5.03	5.94	5.33	80
		NO ₂	18.86	23.04	21.47	80
5.	Village- Rajarampur	PM ₁₀	53.40	85.80	65.67	100
		PM _{2.5}	26.70	48.80	35.43	60
		SO ₂	4.63	5.26	5.01	80
		NO ₂	17.37	20.33	18.58	80
6.	Village- Tentulberia	PM ₁₀	54.60	76.90	62.33	100
		PM _{2.5}	27.10	46.70	34.47	60
		SO ₂	4.89	5.34	5.06	80
		NO ₂	17.04	19.86	18.06	80

iii. *Average stack emissions for PM, NO_x, and SO₂ parameters for last three months, flue gas concentration in mg/Nm³*

S. No.	Name of stack	Parameter	Concentration in(mg/Nm ³) Period Sep to Nov 25		
			Max	Min	Avg.
1	Stack I	PM	231	0.2	37.5
		SO ₂	909.05	2.1	765.57
		NO ₂	633.61	0.2	366.49
2	Stack II	PM	240	2	30.80
		SO ₂	967.92	0.37	747.55
		NO ₂	587.38	0.13	332.05

iv. *Mass emission rate of pollutants in gram per second*

S. no.	Parameters	Units	Value
1.	Stack Height	M	220
2.	No. of flue	No.	3
3.	Top diameter of flue	m	7.5
4.	Flue gas velocity in each flue	m/s	18
5.	Flue gas temperature	°K	413
6.	Volumetric Flow rate of gas in each flue	Nm ³ /s	135
7.	Emission Rates		
	PM ₁₀	g/s	11.46
	PM _{2.5}	g/s	7.05
	SO ₂	g/s	348.50
	NO _x	g/s	182.22

v. **Current stack height in the TPP and compliance with the MoEF&CC Notification of August 30, 1990 (or) June 28, 2018:** A tri-flue common stack of height 220 m from ground level has been provided in compliance with the MoEF&CC Notification of August 30, 1990 (or) June 28, 2018.

vi. *Assessment of maximum Ground Level Concentration (GLCs) of pollutants from the stack emission as per the envisaged stack height (as applicable) based on available site-specific meteorological parameters. Details of the model used, input data used for modelling and output data of the modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors*

GLC of pollutants at sampling location:

Receptor Location	GLC at Monitoring Location (µg/m ³)			
	PM ₁₀	PM _{2.5}	SO ₂	NO _x
Doro Sovarampur primary school (0.5 km, W)	0.05	0.033	0.079	0.164
Sovarampur Sitala mandir (0.6 km, W)	0.05	0.030	0.089	0.085
Kashberia Uttar Shitala Mandir (0.75 km, NE)	0.039	0.026	0.061	0.128
Haldia Petrochemicals Limited (0.8 km, W)	0.012	0.008	0.02	0.041
Tentulberia Primary School (1 km, SSW)	0.005	0.003	0.007	0.015
Parameters	Max GLC, Distance and Direction			
PM ₁₀	0.21 g/m ³ , 3.5 km NW			
PM _{2.5}	0.15 g/m ³ , 3.5 km NW			
SO ₂	0.33 g/m ³ , 3.5 km NW			
NO ₂	0.67 g/m ³ , 3.5 km NW			

vii. **Environment Management Plan (EMP):**

Details as prescribed by MoEF&CC	Information provided by Proponent
Impact of ground level Concentration on the environment if any and corresponding mitigation measures to be adopted.	The maximum contribution in GLC due to the project is 0.21 $\mu\text{g}/\text{m}^3$ for PM_{10} , 0.14 $\mu\text{g}/\text{m}^3$ for $\text{PM}_{2.5}$, 0.332 $\mu\text{g}/\text{m}^3$ for SO_2 and 0.691 $\mu\text{g}/\text{m}^3$ for NO_2 which is negligible. The plant operates with multiple air emission control systems to minimize particulate and fugitive dust emissions. Dry Fog Dust Suppression systems are installed at ground hoppers, using ultra-fine water droplets mixed with compressed air to capture dust during material handling. Regular water sprinkling is carried out on plant roads, coal storage yards, and approach roads to control fugitive dust. High-efficiency 7-field Electrostatic Precipitators (ESPs) are installed for each 150 MW boiler unit, achieving over 99.9% particulate removal. A 220 m high common tri-flue stack ensures effective dispersion of treated flue gases.
Additional mitigation measures proposed if any.	A comprehensive environmental upgradation plan has been proposed with phased implementation over the next 2–3 years, focusing on air, water, noise, and resource management. A tentative budget of INR 39.26 Cr has been kept for this purpose. Key measures include • ESP upgradation for both units enhance particulate removal efficiency • strengthening ash evacuation systems • installation of a dust extraction system with bag filters in CHP • Provision of ETP-treated water reuse facilities and STP • Noise control will be addressed through acoustic enclosures for turbines and BFPs • Increasing greenbelt coverage to 33% • Water sprinkler networks for plantation areas • Rainwater harvesting systems • Installation of CAAQMS • Development of pucca peripheral roads • Harnessing rooftop solar power within the plant premises • Environmental Laboratory cum Environmental Cell • Development of solid and waste management facilities (scrap yard) • Green compost (food waste management)

Air Pollution & Fugitive Emission Control Systems

Emission Source /Area	Control System / Measure Implemented
Particulate Matter (PM)	Electrostatic precipitator, Stack of height 220 m, Continuous Emission Monitoring System
Nitrogen Oxides (NOx)	Low NOx burners (LNB+Burner Tilting+OFA), optimization of combustion conditions; proper air–fuel ratio control to minimize NOx formation.
Coal Transportation	Covered trucks for coal transport; water sprinkling along haul roads; speed control of vehicles; regular road cleaning to prevent dust emission.
Coal Handling &Storage	Enclosed conveyor belts; water spray system at transfer points; coal storage in covered sheds or with wind barriers; regular wetting of coal piles.
Coal Bunkers	Fully enclosed bunkers; dust suppression systems at coal feeding points; proper sealing and housekeeping to prevent fugitive emissions.
Fly Ash Handling	storage in sealed silos, minimal manual handling, dust extraction systems at critical points
Fly Ash Loading &Transport	Loading fly ash in closed tankers/bulkers, covered transportation to prevent spillage and dust emission.
Fly Ash Disposal	Disposed off through external agency

Emission Source /Area	Control System / Measure Implemented
Fly Ash Utilization	Being supplied to cement plants through external agency

Additional Mitigation Measures with Timeline and Budget

S. No	Activity	Physical Target	Estimated Capital Cost (In Cr)	Completion By FY
1.	ESP Upgradation	For 2 units (Unit #1 and Unit#2) retrofitting with HVR and Control System replacement for reduction of PM emission from 50 mg/Nm ³ to less than 30 mg/Nm ³	15.00	FY 2027-28
2.	Ash Evacuation (Part of ESP evacuation)	Enhancement of Fly Ash Conveying Capacity for the excess ash collected in ESP Fly ash hopper (due to above modification of ESP) by way of piping modification (pipe in pipe), Vessel size enhancement and conveying augmentation.	9.00	FY 2027-28
3.	Dust Extraction System in CHP	Installation of dust extraction system in Bunker area - Unit 1 (all four bunkers); Unit#2 (all four bunkers) Also installation in two transfer points in Conveyors (2 nos)	1.00	FY 2027-28
4.	ETP treated water tank and reusing system	Additional guard pond of 7500 cum be made ready	0.40	FY 2028-29
5.	STP	100 KLD plant to be setup	1.40	FY 2028-29
6.	Noise Level Management (Acoustic Enclosure)-	Provision of Acoustic Enclosure for 2 nos Turbine (Unit#1 & Unit#2) & 4 nos BFP (2 Nos. in each unit)	3.00	FY 2027-28
7.	Greenbelt development	for 20000 plants including maintenance on continuous basis	0.75	FY 2027-28
8.	Water Sprinklers Network for gardening and green belt (Plantation area)	Laying network of water pipelines (approx. 4.5km) in entire plant area with sprinklers etc for reusing water for watering purpose in green belt areas in the entire plant 4.5 km line of different sizes to be extended	0.65	FY 2027-28
9.	Rainwater Harvesting Tank and pipeline	Coal Handling Plant and Ash Handling Plant area and other areas	1.20	FY 2028-29
10.	CAAQMS	3 nos of CAAQMS to be installed	2.50	FY 2026-27
11.	Peripheral road	Permanent road blacktop or Concrete road for 1.2 Kms peripheral road along plant boundaries	1.50	FY 2027-28
12.	Harnessing solar power within the premises of the plant (Roof Top Solar)	Roof top solar at BTG building, CHP control room top, RGF building top, Fire fighting Station building Top	1.50	FY 2027-28
13.	Environmental Laboratory cum Environmental Cell	• BOD incubator • COD Digester • Spectrophotometer • Stack monitoring kit	0.15	FY 2028-29

S. No	Activity	Physical Target	Estimated Capital Cost (In Cr)	Completion By FY
		♣Weighing Machine ♣Refrigerator ♣Glassware and Apparatuses ♣Reagents and consumables		
14.	Development of solid and waste management facilities (scrap yard)	Area around 5000 sq. yard to be developed	1.10	FY 2028-29
15.	Green composter (food waste management)	2 no's of food composter machines of 50-100 kg	0.11	FY 2028-29
16.	Reduction of Nox	De-NOx System and SOAF Dampers in Both Unit#1 and Unit#2 for Nox control	26.00	FY 2028-29
Total (Approx..)			65.26	

11. Amendment sought: The details of the condition for which amendment is sought and justification for the same is as follows:

S. No.	As Per EC letter dated 26.09.2018	Amendment required
1	Specific Cond. II- The FBC boilers should be provided with dedicated high efficiency ESP and a tri-flue common stack of height 220m from G.L. as proposed. Space provision shall be kept for retrofitting of FGD, if required at a later date. Stack emission (PM) should not exceed 50 mg/Nm ³ . Stack emissions should be monitored at regular intervals and records should be maintained.	The FBC boilers should be provided with dedicated high efficiency ESP and a bi-flue common stack of height 220m from G.L. and shall abide by the provisions of the notification number G.S.R 465 (E) dated 11/07/2025 related to SO ₂ emission norms. Stack emissions should be monitored at regular intervals and records should be maintained.

12. Summary of court cases:

S.No.	Case No./Title	Name of Court	Brief Summary of case	Last date of Hearing	Next date of hearing
1.	REC Limited vs Hiranmaye Energy Limited	NCLT, Kolkata Bench, Court-II, Division Bench P-103	The Company was admitted into the Corporate Insolvency Resolution Process (CIRP) pursuant to an order dated 02 January 2024 passed by the Hon'ble National Company Law Tribunal, Kolkata Bench. Consequent thereto, the management and affairs of the Company came under the control of the court-appointed Resolution Professional in accordance with the provisions of the Insolvency and Bankruptcy Code, 2016 (IBC). Upon completion of the resolution process and approval of the Resolution Plan by the Committee of Creditors (CoC), the Resolution Plan was filed	12.03.2026	27.07.2026

S.No.	Case No./Title	Name of Court	Brief Summary of case	Last date of Hearing	Next date of hearing
			before the Hon'ble NCLT, Kolkata Bench for its consideration and approval under Section 31 of the IBC. The application seeking approval of the Resolution Plan has been heard and orders have been reserved by the Hon'ble NCLT. In the meantime, the erstwhile promoters have preferred an appeal before the Hon'ble National Company Law Appellate Tribunal (NCLAT), which is presently listed for hearing on 08 July 2026. By an interim order dated 12 March 2026, the Hon'ble NCLAT directed that the "hearing on the plan approval application may go, however, no final order be pronounced".		

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

14. **Summary of violation under EIA, 2006/court case/show cause/direction if any, related to the project under consideration :** - Nil.

15. **Written Submission:**

Query 1: PP should submit Bottom Ash Management details along with water requirement.

Reply: Bottom ash (232 tonnes per day) collected from boiler after watering and conveyed through pipeline along with water and collected in the bottom ash dewatering bin where it is decanted and disposed through trucks. Total water requirement is 1800 KLD out of which 1735 KLD water is recycled back. Hence, Makeup water requirement is 65 KLD.

Query 2: PP should submit revised Air dispersion modelling.

Reply: The maximum incremental GLC due to the existing power plant is given below :-

Parameters	Max GLC, Distance and Direction
PM ₁₀	0.21 g/m ³ , 3.5 km NW
PM _{2.5}	0.15 g/m ³ , 3.5 km NW
SO ₂	0.33 g/m ³ , 3.5 km NW
NO ₂	0.67 g/m ³ , 3.5 km NW

Query 3: Project Proponent should submit details regarding end use of ashes.

Reply: The total ash including fly ash and bottom ash is handed over to M/s Vizag Industrial Minerals Private Limited. Letter of award has been given to M/s Vizag Industrial Minerals Private Limited on 26.10.2018 which is valid till 16.09.2026 and subject to further renewal with compliance to following relevant conditions (as mentioned in the LoA attached):-

- Removal, Safe Handling, Transportation and disposal of ash as per standard practice and ensuring compliances and guidelines and rules of Pollution Control Board.
- Overloading of vehicles carrying fly ash and bottom ash shall not be allowed under any circumstances.
- All vehicles must comply with applicable emission norms.

M/s Vizag Industrial Minerals Private Limited is supplying the ash mainly to cement plants in nearby areas.

Query 4: PP should submit revised EMP with physical and financial targets along with timeline.

Reply: Revised EMP with physical and financial targets along with timeline is attached below:

S. No	Activity	Physical Target	Estimated Capital Cost (In Cr)	Completion By FY
1.	ESP Upgradation	For 2 units (Unit #1 and Unit#2) retrofitting with HVR and Control System replacement for reduction of PM emission from 50 mg/Nm ³ to less than 30 mg/Nm ³	15.00	FY 2027-28
2.	Ash Evacuation (Part of ESP evacuation)	Enhancement of Fly Ash Conveying Capacity for the excess ash collected in ESP Fly ash hopper (due to above modification of ESP) by way of piping modification (pipe in pipe), Vessel size enhancement and conveying augmentation.	9.00	FY 2027-28
3.	Dust Extraction System in CHP	Installation of dust extraction system in Bunker area - Unit 1 (all four bunkers); Unit#2 (all four bunkers) Also installation in two transfer points in Conveyors (2 nos)	1.00	FY 2027-28
4.	ETP treated water tank and reusing system	Additional guard pond of 7500 cum be made ready	0.40	FY 2028-29
5.	STP	100 KLD plant to be setup	1.40	FY 2028-29
6.	Noise Level Management (Acoustic Enclosure)-	Provision of Acoustic Enclosure for 2 nos Turbine (Unit#1 & Unit#2) & 4 nos BFP (2 Nos. in each unit)	3.00	FY 2027-28
7.	Greenbelt development	For 20000 plants including maintenance on continuous basis	0.75	FY 2027-28
8.	Water Sprinklers Network for gardening and green belt (Plantation area)	Laying network of water pipelines (approx. 4.5km) in entire plant area with sprinklers etc for reusing water for watering purpose in green belt areas in the entire plant 4.5 km line of different sizes to be extended	0.65	FY 2027-28
9.	Rainwater Harvesting Tank and pipeline	Coal Handling Plant and Ash Handling Plant area and other areas	1.20	FY 2028-29
10.	CAAQMS	3 nos of CAAQMS to be installed	2.50	FY 2026-27
11.	Peripheral road	Permanent road blacktop or Concrete road for 1.2 Kms peripheral road along plant boundaries	1.50	FY 2027-28
12.	Harnessing solar power within the premises of the plant (Roof Top Solar)	Roof top solar at BTG building, CHP control room top, RGF building top, Fire fighting Station building Top	1.50	FY 2027-28
13.	Environmental Laboratory cum Environmental Cell	• BOD incubator • COD Digester • Spectrophotometer • Stack monitoring kit • Weighing Machine	0.15	FY 2028-29

S. No	Activity	Physical Target	Estimated Capital Cost (In Cr)	Completion By FY
		- Refrigerator - Glassware and Apparatuses - Reagents and consumables		
14.	Development of solid and waste management facilities (scrap yard)	Area around 5000 sq. yard to be developed	1.10	FY 2028-29
15.	Green composter (food waste management)	2 no's of food composter machines of 50-100 kg	0.11	FY 2028-29
16.	Reduction of Nox	De-NOx System and SOFA Dampers in Both Unit#1 and Unit#2 for Nox control	26.00	FY 2028-29
Total (Approx..)			65.26	

Query 5: Project Proponent should submit the clarification regarding project area.

Reply: As submitted in the EDS reply raised on 11.01.2026, the earlier EC was obtained on the basis of offer received from Haldia Development Authority for allotment of 121.45 ha for installation of 3x135MW TPP. However, only 85.23 ha land got allotted to us. Hence plant has been set up in 85.23 ha land with 2x150 MW TPP. KML showing boundary of 121.45 ha as well as 85.23 ha has already been uploaded with EDS Reply.

Query 6: PP should submit the details of Amendment sought in tabular form in EC dated 26.09.2018.

Reply: Details of Amendment sought in tabular form in EC dated 26.09.2018 is given below.

Observations and deliberations of the EAC

16. The Committee observed and noted the following:

i. The instant proposal is for seeking amendment in EC conditions as per MoEF&CC Notification dated 11/07/2025 for Sulphur dioxide emission standards, prescribed in EC letter dated 26/09/2018, accorded for the project- 2x150 MW Coal Fired Thermal Power Plant by M/s Hiranmaye Energy Limited at Haldia, Distt. Purba Medinipur, West Bengal.

ii. The existing project of Thermal Power Plant was originally granted Environmental Clearance in favour of M/s India Power Corporation Limited for setting up 3 x 135 MW Thermal Power Plant at JL – 94, Mouza – Kismatsibrampur, JL No. – 170, Mouza – Tentulberia, JL No. – 147, Mouza – Sovarampur, JL No. 146, Mouza – Kashbere, PS – Bhabanipur, Haldia, East Medinipur, West Bengal vide letter no EN/1125/T-11-1/001/2009 dated 12.04.2010 under EIA, 2006. Subsequently, amendment to the EC was accorded as follows-

- 14.10.2014 for revising the configuration of project from 3 x 135 MW to 3 x 150 MW
- 13.08.2015 for Extension of validity of EC till 12.04.2017.
- 17.10.2016 for using imported coal and in case of shortfall of imported coal, if any, a blend of maximum 30% domestic e-auction coal may be used.
- 10.10.2017 for Extension of validity of EC till 12.04.2010.
- 04.04.2018 for Extension of validity of EC till 30.10.2019.
- 26.09.2018 for using domestic coal with the flexibility of use of imported coal to maintain continuous power generation
- EC transfer was obtained on 04.04.2018 in favour of M/s Hiranmaye Energy Limited as name of the company was changed to Hiranmaye Energy Limited.

iii. There is no forest land involved in the project.

iv. There are no national parks, Biosphere Reserves, Eco-sensitive zone, Tiger/Elephant Reserves and Wildlife Corridors

within 10 km distance from the project site as ascertained from DSS.

v. The total land mentioned in EC dated 12.04.2010 is 121.45 while the PP has submitted that total land used for the project is 85.23 Ha because the earlier EC was obtained on the basis of offer received from Haldia Development Authority for allotment of 121.45 ha for installation of 3x135MW TPP. However, only 85.23 ha land got allotted to the project. Hence plant has been set up in 85.23 ha land with 2x150 MW TPP. The CTO is valid up to 30/11/2026

vi. The project site is not located within the CPA as well as SPA as per CEPI 2018 score of CPCB.

vii. During the last three months, the total coal requirement for Unit-1 was 71472 MT, 65722 MT, 57937 MT and Unit-2 was 67715 MT, 71396 MT and 57329 MT for the months of September, October and December 2025, respectively. Domestic coal is being used, while maintaining a sulphur content of less than 0.5 %.

viii. The Project Proponent (PP) presented ambient air quality data (PM₁₀, PM_{2.5}, NO, SO₂, etc.) for the core and buffer zones. The values for Ambient Air Quality are within the prescribed norms of NAAQMS 2009.

ix. The stack emission is within the stipulated norms for the TPP.

x. The mass emission rate of pollutants including PM₁₀, PM_{2.5}, NO_x, and SO₂ were estimated 11.46 g/s, 7.05 g/s, 182.22 g/s and 348.50 g/s, respectively, for both the units.

xi. Project proponent has installed a 220 m bi-flue stack, which complies with the MoEF&CC Notification dated August 30, 1990.

xii. As per the submitted addendum EIA report prepared through QCI/NABET accredited consultant, the predicted maximum Ground Level Concentration (GLCs) using AERMOD View dispersion model from the stack emission as per the envisaged stack height and site specific meteorological parameters the maximum GLC of PM₁₀, PM_{2.5}, SO₂ and NO_x are 0.21 g/m³, 0.15 g/m³, 0.33 g/m³ and 0.6 g/m³ at 3.5 km distance in Northwest direction.

xiii. The Proponent has submitted an updated EMP with additional capital cost of Rs. 65.26 Crore.

xiv. EAC observed that the PM and NO_x emission from stack are higher than the prescribed norms and asked the Project proponent to comply with the proposed additional Mitigation measures to limit the stack emission within the prescribed norms.

xv. EAC observed that the PM values in ambient air in Priyambada Colony are higher than the NAAQS Limit.

xvi. EAC observed that as per EC dated 26/09/2018 there are also some other conditions for which amendment is required and in this regard Project Proponent shall take the necessary amendment from the respective SEIAA within six months from the date of issuance of EC amendment letter.

xvii. EAC deliberated on the written submission submitted by the Project Proponent and found it satisfactory.

Recommendations of the Committee

17. In view of the foregoing and after the detailed deliberations, the Committee **recommended** the instant proposal for grant of amendment in the EC granted vide letter no 3224/EN/T-11-1/001/2009 dated 26/09/2018 and its subsequent amendments as detailed below subject to stipulation of additional specific conditions (**Annexure-I**).

S. No.	Condition No. as per EC dated 26/09/2018	Details of Conditions as per EC	Recommendation of EAC
1	Specific Cond. II	The FBC boilers should be provided with dedicated high efficiency ESP and a tri-flue common stack of height 220 m from G.L. as proposed. Space provision shall be kept for retrofitting	Agreed. The EAC recommended to modify the condition as below: The FBC boilers should be provided with dedicated high efficiency ESP

		of FGD, if required at a later date. Stack emission (PM) should not exceed 50 mg/Nm ³ . Stack emissions should be monitored at regular intervals and records should be maintained.	and a bi-flue common stack of height 220m from G.L. and shall abide by the provisions of the notification number G.S.R 465 (E) dated 11/07/2025 related to SO ₂ emission norms. Stack emissions should be monitored at regular intervals and records should be maintained.
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Decision of MoEF&CC

18. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the MoEF&CC Notification dated 11/07/2025 under the provisions of the EIA Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Thermal) hereby decided for amendment in Environment Clearance accorded by the by the SEIAA, West Bengal vide letter dated 26/09/2018 and its subsequent amendments as mentioned above at **Para-17**.

19. All other terms and conditions prescribed in EC dated 26/09/2018 and its subsequent amendments shall remain unchanged.

20. The project proponent shall obtain fresh Environment Clearance in case of change in scope of the project, if any.

21. This issues with the approval of the Competent Authority.

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

Copy To

1. The Monitoring Cell, Ministry of Environment Forest and Climate Change, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, Raipur, Chhattisgarh, monitoring-ec@nic.in
2. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
3. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
4. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
5. The Member Secretary, SPCB/PCC, Paribesh Bhawan 10a Block- La Sector Iii Salt Lake City, Kolkata, West Bengal, see2.wbpcb-wb@bangla.gov.in
6. The District Collector, DC Office, Purba Medinipur, Medinipur East, West Bengal, dmpurb-wb@nic.in
7. The Deputy Director General, Regional Office, Assistant Commissioner (Forest) Sub-Office Kolkata Ministry Of Environment Forest And Climate Change Sub-Regional Office Kolkata Ib - 198 Sector-Iii Salt Lake City Kolkata - 700106, N/A, N/A, iro.kolkata-mefcc@gov.in
8. The Secretary, Ministry of Power, Shram Shakti Bhawan Rafi Marg New Delhi 110001, New Delhi, Delhi, Secy-power@nic.in
9. 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. Additional Specific Conditions

S. No	EC Conditions																																																										
1.1	Project proponent shall abide by the Orders arising out of the appeal pending before the Hon'ble National Company Law Appellate Tribunal (NCLAT) in IA(IBC)(PLAN)/5(KB)2025.																																																										
1.2	Project proponent shall implement the protective measure proposed in additional EMP in a time-bound manner in addition to the existing EMP. The budget earmarked for the additional EMP is Rs. 65.26 Cr and should be kept in separate accounts and audited annually. The implementation status as per the action plan given below along with the amount spent with documentary proof shall be submitted to the concerned Regional Office along with the six monthly compliance report. <table> <tr> <th>S. No</th><th>Activity</th><th>Physical Target</th><th>Estimated Capital Cost (In Cr)</th><th>Completion By FY</th></tr> <tr> <td>1.</td><td>ESP Upgradation</td><td>For 2 units (Unit #1 and Unit#2) retrofitting with HVR and Control System replacement for reduction of PM emission from 50 mg/Nm³ to less than 30 mg/Nm³</td><td>15.00</td><td>FY 2027-28</td></tr> <tr> <td>2.</td><td>Ash Evacuation (Part of ESP evacuation)</td><td>Enhancement of Fly Ash Conveying Capacity for the excess ash collected in ESP Fly ash hopper (due to above modification of ESP) by way of piping modification (pipe in pipe), Vessel size enhancement and conveying augmentation.</td><td>9.00</td><td>FY 2027-28</td></tr> <tr> <td>3.</td><td>Dust Extraction System in CHP</td><td>Installation of dust extraction system in Bunker area - Unit 1 (all four bunkers); Unit#2 (all four bunkers) Also installation in two transfer points in Conveyors (2 nos)</td><td>1.00</td><td>FY 2027-28</td></tr> <tr> <td>4.</td><td>ETP treated water tank and reusing system</td><td>Additional guard pond of 7500 cum be made ready</td><td>0.40</td><td>FY 2028-29</td></tr> <tr> <td>5.</td><td>STP</td><td>100 KLD plant to be setup</td><td>1.40</td><td>FY 2028-29</td></tr> <tr> <td>6.</td><td>Noise Level Management (Acoustic Enclosure)-</td><td>Provision of Acoustic Enclosure for 2 nos Turbine (Unit#1 & Unit#2) & 4 nos BFP (2 Nos. in each unit)</td><td>3.00</td><td>FY 2027-28</td></tr> <tr> <td>7.</td><td>Greenbelt development</td><td>For 20000 plants including maintenance on continuous basis</td><td>0.75</td><td>FY 2027-28</td></tr> <tr> <td>8.</td><td>Water Sprinklers Network for gardening and green belt (Plantation area)</td><td>Laying network of water pipelines for (approx. 4.5km) in entire plant area with sprinklers etc for reusing water for watering purpose in green belt areas in the entire plant 4.5 km line of different sizes to be extended</td><td>0.65</td><td>FY 2027-28</td></tr> <tr> <td>9.</td><td>Rainwater Harvesting Tank and pipeline</td><td>Coal Handling Plant and Ash Handling Plant area and other areas</td><td>1.20</td><td>FY 2028-29</td></tr> <tr> <td>10.</td><td>CAAQMS</td><td>3 nos of CAAQMS to be installed</td><td>2.50</td><td>FY 2026-27</td></tr> </table>				S. No	Activity	Physical Target	Estimated Capital Cost (In Cr)	Completion By FY	1.	ESP Upgradation	For 2 units (Unit #1 and Unit#2) retrofitting with HVR and Control System replacement for reduction of PM emission from 50 mg/Nm ³ to less than 30 mg/Nm ³	15.00	FY 2027-28	2.	Ash Evacuation (Part of ESP evacuation)	Enhancement of Fly Ash Conveying Capacity for the excess ash collected in ESP Fly ash hopper (due to above modification of ESP) by way of piping modification (pipe in pipe), Vessel size enhancement and conveying augmentation.	9.00	FY 2027-28	3.	Dust Extraction System in CHP	Installation of dust extraction system in Bunker area - Unit 1 (all four bunkers); Unit#2 (all four bunkers) Also installation in two transfer points in Conveyors (2 nos)	1.00	FY 2027-28	4.	ETP treated water tank and reusing system	Additional guard pond of 7500 cum be made ready	0.40	FY 2028-29	5.	STP	100 KLD plant to be setup	1.40	FY 2028-29	6.	Noise Level Management (Acoustic Enclosure)-	Provision of Acoustic Enclosure for 2 nos Turbine (Unit#1 & Unit#2) & 4 nos BFP (2 Nos. in each unit)	3.00	FY 2027-28	7.	Greenbelt development	For 20000 plants including maintenance on continuous basis	0.75	FY 2027-28	8.	Water Sprinklers Network for gardening and green belt (Plantation area)	Laying network of water pipelines for (approx. 4.5km) in entire plant area with sprinklers etc for reusing water for watering purpose in green belt areas in the entire plant 4.5 km line of different sizes to be extended	0.65	FY 2027-28	9.	Rainwater Harvesting Tank and pipeline	Coal Handling Plant and Ash Handling Plant area and other areas	1.20	FY 2028-29	10.	CAAQMS	3 nos of CAAQMS to be installed	2.50	FY 2026-27
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1.3	As committed in the additional EMP, in addition to the strengthening the green belt at TPP site, project proponent shall plant 50,000 saplings of native and fruit bearing species of not less than 2 meter height in and around the vicinity of TPP, nearby schools, any government land, transportation road side or any other suitable land within 2 years from the date of grant of amendment in EC. For this extra provision of the budget should be incorporated.																																											
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1.7	Project Proponent shall install dust extraction system in Bunker area - Unit 1 (all four bunkers); Unit#2 (all four bunkers) and also install in two transfer points in Conveyors (2 nos) as committed.
1.8	Project Proponent shall install 100 KLD Sewage Treatment Plant as committed.
1.9	Project Proponent shall plant 20000 plants by FY 2027-28 and do their regular maintenance as committed.
1.10	Project Proponent shall install 3 nos of CAAQMS as committed.
1.11	Project Proponent shall install 2 no's of food composter machines of 50-100 kg as committed.
1.12	Project Proponent shall install De-NOx System and SOFA Dampers in Both Unit#1 and Unit#2 for Nox control as committed.
1.13	Proponent shall seek amendment in the letter dated 26/09/2018 of SEIAA- West Bengal on the conditions related to land area, ash content in the coal being issued and ash utilization within six months from the date of issuance of EC amendment letter.

