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Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Level Expert Appraisal Committee(SEAC), WEST BENGAL)
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Minutes of 56st meeting of reconstituted SEAC State Level Expert Appraisal Committee meeting held from 18/12/2024 to 18/12/2024

Date: 26/12/2024

MoM ID: EC/MOM/SEAC/790030/12/2024

Agenda ID: EC/AGENDA/SEAC/790030/12/2024

Meeting Venue: Conference Room, Paribesh Bhawan, West Bengal Pollution Control Board, Bidhannagar, Kolkata – 700 106.

Meeting Mode: Hybrid

Date & Time:

18/12/2024	02:00 PM	06:00 PM

1. Opening remarks

The Member Secretary, SEAC welcome the Members & the Chairman of the Committee and apprised them about the Agenda of the meeting.

2. Confirmation of the minutes of previous meeting

The proceedings of 55th meeting of SEAC held on 11.12.2024 were prepared and uploaded in the Parivesh Portal on 19.12.2024 with the approval of all the Members & the Competent Authority. SEAC confirmed the same.

3. Details of proposals considered by the committee

Day 1 -18/12/2024

3.1. Agenda Item No 1:

3.1.1. Details of the proposal

Ratgara Sand Mine by **DHURUB PRASAD** located at **BIRBHUM,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/503320/2024	2N-185/2024(E)	07/12/2024	Mining of minerals (1(a))

3.1.2. Project Salient Features

- This is a proposal for Ratgara Sand Mine over an area of 1.62 ha (4.00 acres) on the Dwarka river at Plot No. 1207(P), JL No. 07, Mouza – Ratgara, PS – Mayureswar, Dist – Birbhum, West Bengal.

3.1.3. Deliberations by the committee in previous meetings

N/A

3.1.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

*"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today.***"**

This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.

- Considering the above, the SEAC recommended that the project proposal may be rejected.

3.1.5. Recommendation of SEAC

Not Recommended

3.2. Agenda Item No 2:

3.2.1. Details of the proposal

MDTNB-7 Sand Mine by **KUMARJIT GIRI** located at **MEDINIPUR WEST,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513778/2024	2N-184/2024(E)	07/12/2024	Mining of minerals (1(a))

3.2.2. Project Salient Features

- This is a proposal for MDTNB-7 Sand Mine over an area of 3.04 ha on the Subarnarekha River bed at Mouza - Palasia, J.L. No.: 96, Plot No.: 1370P & 482P, P.S.: Dantan, District: Paschim Midnapur, West Bengal.

3.2.3. Deliberations by the committee in previous meetings

N/A

3.2.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Paschim Midnapur district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

*"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today.***"**

This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.

- Considering the above, the SEAC recommended that the project proposal may be rejected.

3.2.5. Recommendation of SEAC

Not Recommended

3.3. Agenda Item No 3:

3.3.1. Details of the proposal

Bhandirban Sand Mine by **SUNEEL JHA** located at **BIRBHUM,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513810/2024	2N-188/2024(E)	07/12/2024	Mining of minerals (1(a))

3.3.2. Project Salient Features

- This is a proposal for Bhandirban Sand Mine (Sand Block code – BIR/SURI-1/BHANDIRBAN/252/2016) over an area of 2.58 ha (6.38 acres) on the Mayurakshi river at Plot No. 279(P), 290(P), 291, 292, JL No. 202, Mouza – Bhandirban, PS – Suri-I, Dist – Birbhum, West Bengal.

3.3.3. Deliberations by the committee in previous meetings

N/A

3.3.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

*"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today.***"**

This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.

- Considering the above, the SEAC recommended that the project proposal may be rejected.

3.3.5. Recommendation of SEAC

Not Recommended

3.4. Agenda Item No 4:

3.4.1. Details of the proposal

MIN_BNK_55_A by **WEST BENGAL MINERAL DEVELOPMENT AND TRADING CORPORATION LIMIT ED** located at **BANKURA,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/499938/2024	2N-518/2023(E)	09/12/2024	Mining of minerals (1(a))

3.4.2. Project Salient Features

- This is a proposal for MIN_BNK_55_A sand mine over an area of 15.00 Ha (37.065 acres) on the Darakeswar river bed at J.L. No.: 55, Mouza: Bhagalpur, Plot No.: 1366,1367,1426, J.L. No.: 61, Mouza: Hati, Plot No.: 3, 4, 61, 62, 63, 81, 80, 83, 84, P.S. & Block: Kotulpur, J.L. No.: 103, Mouza: Behar, Plot No.: 963, 2473, 2455, 2456, 1036, 1037, 2340, 2362, J.L. No.: 104, Mouza: Parikhapara, Plot No.: 996, 999, 1001, 1009, 1008, P.S. & Block : Indas, District: Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_KP_29A.**
- The production details as mentioned in the Mining Plan is given below :-

Geological Resource

Year	Total Area (ha)	Thickness (m)	Replenishment Rate (%)	Geological Resource (cu.m)
1	15.00	3	--	450000
2	15.00	2.346	78.20	351900
3	15.00	2.346	78.20	351900
4	15.00	2.346	78.20	351900
5	15.00	2.346	78.20	351900
Total Geological Resource				**1857600**

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below:

Year	Total Mineable Area (ha)	Thickness (m)	Replenishment Rate (%)	Mineable Reserve (cu.m)	Annual production (Cu.m)
1	8.59	3	--	257700	180390
2	8.59	2.346	78.20	201521.40	201521.40
3	8.59	2.346	78.20	201521.40	201521.40

4	8.59	2.346	78.20	201521.40	201521.40
5	8.59	2.346	78.20	201521.40	201521.40
Total Mineable Reserve				**1063785.60**	**986475.60**

3.4.3. Deliberations by the committee in previous meetings

N/A

3.4.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024. The SEAC observed that the PP has not submitted complete pointwise reply to all the points raised in the Public Hearing. Hence, the PP is requested to submit point wise reply to the issues raised in the Public Hearing.
- The PP is also requested to submit the following :

1. The need-based activities under EMP uploaded by the PP should be revised. Year wise budgetary allocation for each head should be submitted.
2. Breakup of the project cost.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.4.5. Recommendation of SEAC

Deferred for ADS

3.5. Agenda Item No 5:

3.5.1. Details of the proposal

MIN_BNK_57 Sand Mine by **WEST BENGAL MINERAL DEVELOPMENT AND TRADING CORPORATIO N LIMITED** located at **Alipurduar,WEST BENGAL**	
Proposal For	Fresh EC

Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/502164/2024	2N-389/2023(E)	09/12/2024	Mining of minerals (1(a))

3.5.2. Project Salient Features

- This is a proposal for MIN_BNK_57 Sand Mine over an area of 9.21 ha (22.74 Acres) on the Dwarakeswar River at Mouza: Sonatapol, J.L. No.: 75, Plot No.: 1, P.S. & Block - Onda, District: Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_ON_09A and BNK_DW_B2_09B.**
- The production details as mentioned in the Mining Plan is given below :-

Geological Resource

Year	Total area (ha)	Thickness(m)	Replenishment Rate %	Geological Resource (cum)
1	9.21	3	100	27,6300
2	9.21	2.346	78.20	2,16,066.60
3	9.21	2.346	78.20	2,16,066.60
4	9.21	2.346	78.20	2,16,066.60
5	9.21	2.346	78.20	2,16,066.60
Total Geological Resource				**11,40,566.40**

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below:

Year	Avg Minable area (ha)	Thickness(m)	Replenishment Rate %	MR (Cum)	Annual production (Cum)
1	7.94	3	100	2,38,200	2,38,200
2	7.94	2.346	78.20	1,86,272.40	1,86,272.40
3	7.94	2.346	78.20	1,86,272.40	1,86,272.40
4	7.94	2.346	78.20	1,86,272.40	1,86,272.40
5	7.94	2.346	78.20	1,86,272.40	1,86,272.40
The Mineable Reserve				**9,83,289.60**	**9,83,289.60**

3.5.3. Deliberations by the committee in previous meetings

N/A

3.5.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024. The SEAC observed that the PP has not submitted complete reply to all the points raised in the Public Hearing. Hence, the PP is requested to submit point wise reply to the issues raised in the Public Hearing.
- The PP is also requested to submit the following :

1. The need-based EMP uploaded by the PP should be revised. Year wise budgetary allocation for each head should be submitted.
2. Breakup of the project cost.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.5.5. Recommendation of SEAC

Deferred for ADS

3.6. Agenda Item No 6:

3.6.1. Details of the proposal

Dhanyagram Sand Mine by **SWASTIK TRADERS** located at **BIRBHUM,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513505/2024	2N-187/2024(E)	06/12/2024	Mining of minerals (1(a))

3.6.2. Project Salient Features

- This is a proposal for Dhanyagram Sand Mine (Sand Block code – BIR/SURI-I/DHANYAGRAM/287/2018) over an area of 4.59 Ha on the Mayurakshi River bed at Mouza - Dhanyagram, J.L. No.-206, Plot No.- 1 (P), P.S.: Suri, District: Birbhum, West Bengal.

3.6.3. Deliberations by the committee in previous meetings

N/A

3.6.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

*"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today***."**

This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

The applicant has applied in the PARIVESH portal on 06.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.

- Considering the above, the SEAC recommended that the project proposal may be rejected.

3.6.5. Recommendation of SEAC

Not Recommended

3.7. Agenda Item No 7:

3.7.1. Details of the proposal

Pagrangbong Sand & Boulder Mine by **SAMIM AHMED** located at **KALIMPONG,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513731/2024	2N-186/2024(E)	06/12/2024	Mining of minerals (1(a))

3.7.2. Project Salient Features

- This is a proposal for Pagrangbong Sand & Boulder Mine over an area of 1.01 Ha (2.50 Acres) on the Geet River at LR Plot Nos. 1901(P), Mouza - Pagrangbong (Sheet No. 9) J.L No.-17, Block- Kalimpong I1, District - Kalimpong, West Bengal.

3.7.3. Deliberations by the committee in previous meetings

N/A

3.7.4. Deliberations by the SEAC in current meetings

- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.

The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

3.7.5. Recommendation of SEAC

Deferred for PP not attending the meeting

3.8. Agenda Item No 8:

3.8.1. Details of the proposal

Debraj Enterprises-Katna Sand Mine by **Bikash Mitra** located at **BANKURA,WEST BENGAL**			
Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513091/2024	2N-13/2015(E)-Pt-I	04/12/2024	Mining of minerals (1(a))

3.8.2. Project Salient Features

- This is a proposal for Katna Sand Mine (Sand Block No.: 0117DR007) over an area of 1.87 ha (4.62 Acres) on the river Dwarakeswar at Plot No. - 1047, J.L. No.- 79, Mouza - Katna, P.S.- Bishnupur, District - Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_BSP_16.**
- The reserves and year wise production details as mentioned in the Mining Plan is given below :-

Geological resource of the mine

YEAR	Total Area (m2)	Thickness (m)	REPLENISHMENT RATE (%)	GEOLOGICAL RESOURCE(m3)
1st	18700	2.5	--	46750
2nd	18700	1.955	78.20	36558.50
3rd	18700	1.955	78.20	36558.50
4th	18700	1.955	78.20	36558.50
5th	18700	1.955	78.20	36558.50
Total Geological Resource				**192984**

Year wise tentative Mineable Reserve of the sand deposit

YEAR	Mineable Area (ha)	Mineable Area (m2)	Replenishment Rate (%)	Average thickness (m)	Production (cum/m3)	Production (CFT/ft3) (1 cum = 35.315 CFT)

1st	1.34	13430.91	--	2.5	33577.275	1185770.276
2nd	1.34	13430.91	78.20	1.955	26257.429	927272.354
3rd	1.34	13430.91	78.20	1.955	26257.429	927272.354
4th	1.34	13430.91	78.20	1.955	26257.429	927272.354
5th	1.34	13430.91	78.20	1.955	26257.429	927272.354
TOTAL					**138606.991 m 3**	**4894859.692 CFT**

3.8.3. Deliberations by the committee in previous meetings

N/A

3.8.4. Deliberations by the SEAC in current meetings

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the Mine Plan uploaded by the PP, **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. Therefore, the SEAC **recommended** issuance of **Standard Terms of Reference** for EIA preparation for the project with the following additional conditions :-

    1) Cluster Certificate from the competent authority.

    2) The potential impact study in the EIA should be done considering the cumulative effect of all the mines in the cluster situation, if any.

    3) Surface and ground water hydrology should be included in the EIA report.

    4) Drone videography of the entire project area explicitly showing the entire project site along with the existing tree plantation/green belt. Minimum 2 minute video to be submitted.

    5) Photographs of the site mentioning the geo-coordinates.

    6) Standard practice of management of the intermediate storage area should be submitted.

    7) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.

    8) A plan on the management and handling of sand during the period of intermediate stockpiling should be submitted.

    9) The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation. A Progressive Greenbelt Plan

may be prepared. The project area being entirely on the riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region. Spatial year wise progressive plantation programme to be submitted.

10) Plan showing spatial year wise distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.

11) EIA should also include detailed study of the baseline condition and impact on aquatic flora and fauna.

12) The project cost may include the auction bid value, estimated royalty to be paid, cost of any infrastructure built like office space, stockyard, etc. The calculation/documents to estimate the project cost should be submitted. The planned expenditure for components like need-based activities may be derived based on the project cost.

13) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc) may also be uploaded. Evidence of the activities should be provided by photographs with geo-coordinates. The activities should be completed within the first two years of the project life.

14) A study report on base flow level measured at 5 points with date and supporting photographs should be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

15) Management plan including the final closure plan of haul road to be submitted.

16) Study and protection plan of the aquatic life available both during the mining and non-mining seasons should be provided.

The PP shall, – while applying for environmental clearance, upload in the PARIVESH portal, the EIA/EMP report along with the documents/ submissions/ clarifications sought above.

All the documents should be duly signed both by the project proponent and the environmental consultant.

3.8.5. Recommendation of SEAC

Recommended

3.8.6. Details of Terms of Reference

3.8.6.1. Specific

Annexure - A	
1.	**Annexure - A**

	Executive Summary The Executive summary of the EIA/EMP report in about 8-10 pages should be prepared incorporating the information on following points: 1) Project name and location (Village, District, State, Industrial Estate (if applicable). 2) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC. 3) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative). 4) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes. 5) Measures for mitigating the impact on the environment and mode of discharge or disposal. 6) Capital cost of the project, estimated time of completion. 7) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, with in 10km. other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary). 8) Baseline environmental data - air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population. 9) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk. 10) Likely impact of the project on air, water, land, flora-fauna and nearby population. 11) Emergency preparedness plan in case of natural or in plant emergencies. 12) Issues raised during public hearing (if applicable) and response given. 13) Environment Management Plan (EMP) as per Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 with proposed expenditure. 14) Occupational Health Measures. 15) Post project monitoring plan.
A. STANDARD TERMS OF REFERENCE	
1.	1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994. 2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given. 3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee. 4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone). 5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological

map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.

6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.

7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.

8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.

10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area,

the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL. HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).

21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectorial programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

23. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

27. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

28. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

29. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

30. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

31. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

32. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

33. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

34. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

35. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

36. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

37. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

38. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

39. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

40. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

41. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

42. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

44. Besides the above, the below mentioned general points are also to be followed:-

a. Executive Summary of the EIA/EMP Report (enclosed as **Annexure – A**).

b. All documents to be properly referenced with index and continuous page numbering.

c. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

d. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

e. Where the documents provided are in a language other than English, an English translation should be provided.

f. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

g. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

h. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

i. As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j. The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

B. Additional Terms of Reference imposed by SEAC –

1.

1) Cluster Certificate from the competent authority.

2) The potential impact study in the EIA should be done considering the cumulative effect of all the mines in the cluster situation, if any.

3) Surface and ground water hydrology should be included in the EIA report.

4) Drone videography of the entire project area explicitly showing the entire project site along with the existing tree plantation/green belt. Minimum 2 minute video to be submitted.

5) Photographs of the site mentioning the geo-coordinates.

6) Standard practice of management of the intermediate storage area should be submitted.

7) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.

8) A plan on the management and handling of sand during the period of intermediate stockpiling should be submitted.

9) The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation. A Progressive Greenbelt Plan may be prepared. The project area being entirely on the riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal

means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region. Spatial year wise progressive plantation programme to be submitted.

10) Plan showing spatial year wise distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.

11) EIA should also include detailed study of the baseline condition and impact on aquatic flora and fauna.

12) The project cost may include the auction bid value, estimated royalty to be paid, cost of any infrastructure built like office space, stockyard, etc. The calculation/documents to estimate the project cost should be submitted. The planned expenditure for components like need-based activities may be derived based on the project cost.

13) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc) may also be uploaded. Evidence of the activities should be provided by photographs with geo-coordinates. The activities should be completed within the first two years of the project life.

14) A study report on base flow level measured at 5 points with date and supporting photographs should be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

15) Management plan including the final closure plan of haul road to be submitted.

16) Study and protection plan of the aquatic life available both during the mining and non-mining seasons should be provided.

While applying for environmental clearance, the PP shall upload in the PARIVESH portal, the EIA/EMP report along with the documents/ submissions/ clarifications sought hereinabove.

The West Bengal Pollution Control Board shall arrange public hearing as per EIA Notification, 2006 on submission of draft EIA/EMP prepared by the Project Proponent as per the above-mentioned ToRs. All the issues mentioned in the 'Public Hearing Report' and public consultation must also be addressed and incorporated in the final EIA / EMP report. The project proponent is requested to pursue the matter with the WBPCB for organizing the public hearing/consultation on submission of the draft EIA/EMP report as per the provision of EIA notification 2006 & its amendments. The project proponent is requested to submit the final EIA/EMP prepared as per the above-mentioned ToRs and incorporating all the issues raised during Public Hearing / Public Consultation to the SEAC for further consideration of the proposal for environmental clearance.

The ToR is valid for a period of 4 (four) years from the date of issue.

3.9. Agenda Item No 9:

3.9.1. Details of the proposal

LALITAPUR SAND MINE (MDTNB-5) by **RAJKISHORE MAHAPATRA** located at **MEDINIPUR WEST,WEST BENGAL**	
Proposal For	Fresh ToR

Proposal No	File No	Submission Date	Activity (Schedule Item)
SIA/WB/MIN/513746/2024	2N-181/2024(E)	06/12/2024	Mining of minerals (1(a))

3.9.2. Project Salient Features

- This is a proposal for Lalitapur Sand Mine (MDTNB-5) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 973(P), 1061(P), JL No. 95, Mouza – Lalitapur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

3.9.3. Deliberations by the committee in previous meetings

N/A

3.9.4. Deliberations by the SEAC in current meetings

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through “PARIVESH” portal.

3.9.5. Recommendation of SEAC

Deferred for PP not attending the meeting

3.10. Agenda Item No 10:

3.10.1. Details of the proposal

HASHIMPUR SAND MINE (MDTNB-13) by **kalyani mahapatra** located at **MEDINIPUR WEST,WEST BENGAL**			
Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513728/2024	2N-182/2024(E)	06/12/2024	Mining of minerals (1(a))

3.10.2. Project Salient Features

- This is a proposal for Hashimpur Sand Mine (MDTNB-13) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

3.10.3. Deliberations by the committee in previous meetings

N/A

3.10.4. Deliberations by the SEAC in current meetings

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

3.10.5. Recommendation of SEAC

Deferred for PP not attending the meeting

3.11. Agenda Item No 11:

3.11.1. Details of the proposal

HASIMPUR SAND MINE (MDTNB-14) by **ANKUSH ARORA** located at **MEDINIPUR WEST,WEST BENGAL**			
Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/513753/2024	2N-183/2024(E)	06/12/2024	Mining of minerals (1(a))

3.11.2. Project Salient Features

- This is a proposal for Hasimpur Sand Mine (MDTNB-14) over an area of 3.6 ha on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

3.11.3. Deliberations by the committee in previous meetings

N/A

3.11.4. Deliberations by the SEAC in current meetings

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

3.11.5. Recommendation of SEAC

Deferred for PP not attending the meeting

3.12. Agenda Item No 12:

3.12.1. Details of the proposal

Installation of 4x6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill. by **JKC STEEL PRIVATE LIMIT ED** located at **PASCHIM BARDHAMAN,WEST BENGAL**			
Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/IND1/500930/2024	2N-148/2024(E)	19/10/2024	Metallurgical Industries (ferrous and non ferrous) (3(a))

3.12.2. Project Salient Features

- Salient features of the proposed project as uploaded by the Project Proponent (PP) in the PARIVESH portal is as below –

Project Name	Installation of 4x6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill.
Project Location	Plot No. 356, 391, J.L. No. 44, Mouza - Chapabandi, P.S. - Faridpur (Laudoha), PIN – 713 363, Distt. Paschim Bardhaman, West Bengal.
Land area	6.36 acres (25738 sqm).
Greenbelt	33% of the total area i.e., 8579 sqm.
Land Use of Project Site	

	Area in sqm.	**Area in %**

Guard Room 1,2	20	0.078
Weigh Bridge	72	0.28
Scale room	9	0.035
Office Building	166	0.64
Rest Room	16	0.062
Septic tank and soak pit	3	0.012
Occupational health center	15	0.058
Toilet	25	0.097
Fire water tank with pump h ouse	28	0.11
Factory water reservoir	400	1.55
Furnace shed	1653.75	6.43
Electric building	155	0.60
D G Shed	23.56	0.09
LTS Shed	1000	3.88
Rolling Shed	4400	17.1
Shed	1920	7.5
Stockyard	500	1.94
Road	3454.69	13.42
Plantation Area (Greenbelt)	8579	33.33
Vacant land area	3298	12.81
Total Area	**25738**	**100**

Production Capacity	

	Project under construction (obtained CTE)	Subsequent addition
Induction Furnace	--	4 no 6MT
M.S. Billets	--	80640 Tonnes/ Annum
Vertical Caster	--	6 Nos
Gas Fired Reheat Furnace	--	20 MT / Hr
Rolling mill	--	84,000 Tonnes/ Annum
Wire Mill (Bull Block)	2640 Tonnes/Annum (02 sets)	9012 Tonnes/Annum (02 sets)
Wire Mill (Fine Machine)	1800 Tonnes/Annum (04 sets)	1704 Tonnes/Annum (02 sets)
Nail making machines	840 Tonnes/Annum (04 sets)	1992 Tonnes/Annum (06 sets)
Bolt Making Mac	--	4369 Tonnes/Annu

	<table><tr><td>hine</td><td></td><td>m (02 sets)</td></tr><tr><td>Wire mesh making machine</td><td>--</td><td>1752 Tonnes/Annum (01 sets)</td></tr><tr><td>Ribbed wire making machine (Torkari)</td><td>2160 Tonnes/Annum (01 set)</td><td>--</td></tr></table>
Raw material Details	Sponge Iron - 74148.219 TPA Pig Iron - 11975.486 TPA Scrap - 7983.657 TPA MS Skull - 4989.786 TPA Ferro Alloys - 698.570 TPA
Man Power	66 - Permanent 625 - Contract
Power supply	Existing – 4.5 MVA Additional - 12 MVA

	Power From DVC
Back-up Power	1 no. 160 KVA
Project cost	Rs.10825.91 Lakhs
Central Latitude & Longitude	latitude and longitude 23°37'22.40"N, 87°16'42.77"E
Water demand and supply	Existing - 2 KLD Additional - 110 KLD Total 112 KLD
Source	Ground water

3.12.3. Deliberations by the committee in previous meetings

Date of SEAC 1 :30/10/2024
Deliberations of SEAC 1 :

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.

The SEAC will further consider the case on submission of satisfactory reply only through “PARIVESH” portal.

3.12.4. Deliberations by the SEAC in current meetings

- Based on the presentation made by the PP/Consultant, the SEAC observed that the project site lies within close proximity of Durgapur Municipal Corporation, which is declared as Severely Polluted Area. Hence the PP is requested to submit authenticated documents from the competent authority showing the distance of the project from the nearest boundary of Durgapur Municipal Corporation.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.
All the documents should be duly signed both by the project proponent and the environmental consultant.
The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.12.5. Recommendation of SEAC

Deferred for ADS

3.13. Agenda Item No 13:

3.13.1. Details of the proposal

Environmental Clearance for Expansion of Housing Complex by M/s DTC Projects Pvt. Ltd. at Mouza - Daulatpur, J.L. No. - 79 And Mouza - Hanspukuria, JL no -120 Block- Bishnupur-I, Under Kulerdari Gram Panchayat, , Dist.-South 24 Parganas, WB by **DTC PROJECTS PRIVATE LIMITED** located at **24 PARAGANAS SOUTH,WEST BENGAL**			
Proposal For		Fresh ToR	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/513384/2024	2N-13/2015(E)-Pt-I	06/12/2024	Townships/ Area Development Projects / Rehabilitation Centres (8(b))

3.13.2. Project Salient Features

- Salient features of the proposed expansion project as uploaded by the PP in the PARIVESH portal is as below–

Features	**Existing Capacity as per EC issued by SEIAA vide EN/T-II-1/401/2023 dated 22/01/2024**	**Proposed Expansion & Modified Capacity & Quantity**	**Total After expansion Capacity & Quantity (Existing + Proposed)**
Land area (as per Record)	79500 Sqm	1821 Sqm	81321 Sqm/8.13 Ha
Expected Population	15540 (Residential - 13230, Others - 2310) Persons	1228 (Residential - 1144, Others -84) Persons	16768 (Residential - 14374, Others - 2394) Persons

No. of Flats	2367 Nos.	192 Nos.	2559 Nos.
No. of storey	Phase 1: Residential Complex Block-1, 1A, 2,3: G+12, Block-4 to 23-G+12(5nos), G+14(7 nos.) & B+G+14(7 nos.) with club house G+2 Phase 2 : Tower A1, A2, A3 & A4 Tower B1, B2, B3 & B4 Tower C1, C2 & C3	Phase 2 : Tower A1(G + 21), A2(B+G+2P +19), A3(B+G+2P +19) & A4(B+G+2P +19) Tower B1(G+2P+19), B2(G+2P+19), B3(B+G+2P+19) & B4(B+G+2P+19) Tower C1, C2 & C3 Phase 3: Tower D1(G+P+20)	Phase 1: Residential Complex Block-1, 1A, 2,3: G+12, Block-4 to 23-G+12(5nos), G+14(7 nos) & B+G+14(7 nos) with club house G+2 Phase 2 : Tower A1(G + 21), A2(B+G+2P +19), A3(B+G+2P +19) & A4(B+G+2P +19) Tower B1(G+2P+19), B2(G+2P+19), B3(B+G+2P+19) & B4(B+G+2P+19) Tower C1, C2 & C3 Phase 3: Tower D1(G+P+20)
Latitude & Longitude	22°26'24.88"N, 88°17'54.58"E		
Total Water requirement (as per NBC, 2016)	1848 KLD	136 KLD	1984 KLD

Fresh Water requirement	1228 KLD	104 KLD	1332 KLD
Wastewater Generation	1370 KLD	165 KLD	1535 KLD
Treated Wastewater Discharge	736 KLD (In Non-Monsoon Season) 881 KLD (In Monsoon Season) after recycling to Panchayat Drain	132 KLD (In Non-Monsoon Season) 57 KLD (In Monsoon Season) after recycling to Panchayat Drain	868 KLD (In Non-Monsoon Season) 938 KLD (In Monsoon Season) after recycling to Panchayat Drain
Treated Wastewater Recycled	620 KLD	32 KLD	652 KLD
Solid Waste Generation & Discharge (operational phase)	Total-6109 Kg/day Biodegradable-2444 Kg/day Non-Biodegradable-3665 Kg/day	Total-599 Kg/day Biodegradable-239 Kg/day Non-Biodegradable-360 Kg/day	Total-6708 Kg/day Biodegradable-2683 Kg/day Non-Biodegradable-4025 Kg/day
Total Built-up area	**293442 Sqm**	**33012 Sqm.**	**326454 Sqm.**
Ground Coverage	Phase 1 - 13804 Sqm Phase 2 -13725 Sqm Phase 3 -3030 Sqm	Phase 2 -13829 Sqm Phase 3 - 2734 Sqm	Phase 1 -13804 Sqm Phase 2 -13829 Sqm Phase 3 - 2734 Sqm
Service Area	Phase 1 -1330 Sqm	Phase 2 -1350 Sqm	Phase 1 - 1331 Sqm

	Phase 2 -410 Sqm Phase 3 -180 Sqm	Phase 3 - 210 Sqm	Phase 2 -1350 Sqm Phase 3 - 210 Sqm
Paved Area	Phase 1 - 5260 Sqm Phase 2 -693 Sqm Phase 3 -2500 Sqm	Phase 2 -1774 Sqm Phase 3 -773 Sqm	Phase 1 -5260 Sqm Phase 2 -1774 Sqm Phase 3 -773 Sqm
Road Area	Phase 1 - 12821 Sqm Phase 2 -4744 Sqm Phase 3 -2000 Sqm	Phase 2 -6254Sqm Phase 3 -1241 Sqm	Phase 1 -12821 Sqm Phase 2 -6254Sqm Phase 3 -1241 Sqm
Open Parking Area	Phase 1 - 2072 Sqm Phase 2 - ..... Phase 3 -125 Sqm	Phase 2 - 50 Sqm Phase 3 -388 Sqm	Phase 1 -2073 Sqm Phase 2 - 50 Phase 3 -388 Sqm
Exclusive Green Are a	Phase 1 -5454 Sqm Phase 2 -7970 Sqm Phase 3 -2676 Sqm	Phase 2 -8983 Sqm Phase 3 - 2286 Sqm	Phase 1 -5454 Sqm Phase 2 -8983 Sqm Phase 3 - 2286 Sqm
Water body Area (Pr oposed)	Phase 1 - ..... Phase 2 - 18 Sqm Phase 3 -	Phase 2 - 18 Sqm Phase 3 -	Phase 1 - ..... Phase 2 - 18 Sqm Phase 3 - .....
Water Body/Pond	Phase 1 - ..... Phase 2 - 688 Sqm Phase 3 -	Phase 2 - 688 Sqm Phase 3 -	Phase 1 - ..... Phase 2 - 688 Sqm Phase 3 -.....
Total No. of plantati	1134 nos	194	1328

on proposed	(Phase -1, 2 & 3)		
No. of Solar lights proposed	--	--	--
Use of Solar Power	87 KW (P) (More than 1%) –Will be transferred to Grid	80 KW (P)	150 KW (P)
No. of Parking spaces proposed	Required: 1940 Provided: 2357	Required: Phase 1: 1152 Phase 2 & 3: 966 Provided: (Phase 1: 1234 Phase 2 & 3: 1169)	Total Required Car parking : 2118 Total Provided Car parking: 2403
Total Power requirement	8449 KW	Phase 2 & 3: 7354 KW	Phase 1, 2, 3 : 14092 KW
Backup Power	2X380 KVA 1X625 KVA 2X500KVA 2X320 KVA	2 X 500 KVA 2 X 320 KVA	2 X 380 KVA 2 X 625 KVA 2 X 500 KVA 2 X 320 KVA
Total project cost (Rs.)	Rs.27549.79 Lakhs for (phase-1) Rs.23100 Lakhs for		

	(phase-2)		

3.13.3. Deliberations by the committee in previous meetings

N/A

3.13.4. Deliberations by the SEAC in current meetings

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) The area statement submitted by the PP is misleading. Revised land use statement for the project showing the exact area and percentage of the total area should be submitted as revised salient features. A break up of the expected population vis-a vis the number of flats should be submitted.

2) According to the expected population, the project appears to be a township project. Hence the open area, playground should be provided accordingly.

3) Since a huge quantity of water will be extracted, a detailed hydrogeological study should be provided.

4) STP water from the previous phase should be used for construction of the second phase.

5) Land Use Compatibility Plan for the project.

6) Compliance of earlier need-based activities given in the ECs dated 27.09.2018 and 22/01/2024 should be submitted. Evidence should be provided by photograph with date and time and certificate from the beneficiaries.

7) An impact report of nearby livelihood.

8) An investigation may be done to study the impact caused by the expansion on the eco-environment of the area over 5-6 years viz, excessive traffic emission, air and noise pollution, meteorological fluctuations with the surroundings.

Water and waste water

9) A detail hydrogeological study should be conducted. The amount of groundwater recharging in and discharging from the project area will have to be calculated. If the recharge is less than the discharge then a management plan to counter the extra withdrawal will have to be stated. A report on groundwater quality in and around the project area will also have to be submitted.

Recommendation : SEAC, taking into account the salient features of the proposed project, recommended that **Terms of Reference may be issued for EIA study of the proposed project. In addition to the standard ToR** the above additional terms/ conditions may be made a part of the ToR. Status of the compliance of the conditions stipulated may be furnished along with the application for Environmental Clearance application.

3.13.5. Recommendation of SEAC

Recommended

3.13.6. Details of Terms of Reference

3.13.6.1. Specific

General Conditions:-	
1.	An EIA study shall be carried out in the project site including the influence area within 10 km radius from the proposed project. Following are the ToRs – 1) Examine details of land use as per Master Plan and land use around 10 km radius of the project site. 2) Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river. 3) Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities. 4) Examine baseline environmental quality along with projected incremental load due to the project. 5) Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health. 6) Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project. 7) Submit the details of the trees to be felled for the project. 8) Submit the present land use and permission required for any conversion such as forest, agriculture etc. 9) Submit Roles and responsibility of the developer etc. for compliance of environmental regulations under the provisions of EP Act. 10) Ground water classification as per the State Water Investigation Directorate (SWID). 11) Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart. 12) Rain water harvesting proposals should be made with due safeguards for ground water quality. 13) Maximize recycling of water and utilization of rain water. Examine details. 14) Examine soil characteristics and depth of ground water table for rainwater harvesting. 15) Examine details of solid waste generation treatment and its disposal. 16) Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency. 17) DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details. 18) Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analyzed with measures for preventing traffic congestion and providing faster trouble-free system to reach different destinations in the city. 19) A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic. 20) Examine the details of transport of materials for construction which should include source and

availability.

21) Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.

22) Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.

23) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

24) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.

25) Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "http://moef.nic.in/Manual/Townships".

26) Additional conditions imposed by SEAC -

Mandatory Documents-

1) The area statement submitted by the PP is misleading. Revised land use statement for the project showing the exact area and percentage of the total area should be submitted as revised salient features. A break up of the expected population vis-a vis the number of flats should be submitted.

2) According to the expected population, the project appears to be a township project. Hence the open area, playground should be provided accordingly.

3) Since a huge quantity of water will be extracted, a detailed hydrogeological study should be provided.

4) STP water from the previous phase should be used for construction of the second phase.

5) Land Use Compatibility Plan for the project.

6) Compliance of earlier need-based activities given in the ECs dated 27.09.2018 and 22/01/2024 should be submitted. Evidence should be provided by photograph with date and time and certificate from the beneficiaries.

7) An impact report of nearby livelihood.

8) An investigation may be done to study the impact caused by the expansion on the eco-environment of the area over 5-6 years viz., excessive traffic emission, air and noise pollution, meteorological fluctuations with the surroundings.

Water and waste water

9) A detail hydrogeological study should be conducted. The amount of groundwater recharging in and discharging from the project area will have to be calculated. If the recharge is less than the discharge then a management plan to counter the extra withdrawal will have to be stated. A report on groundwater quality in and around the project area will also have to be submitted

While applying for the environmental clearance, the proponent shall upload the EIA/EMP report along with the documents / sought above. All the documents should be duly signed by the project proponent and the environmental consultant.

	These ToRs should be considered for the preparation of EIA-EMP report for the proposed construction project in addition to all the relevant information as per the General Structures of EIA given in Appendix III and IIIA in the EIA Notification, 2006. **The ToRs prescribed shall be valid for a period of four years for submission of EIA/EMP.** The project proponent is requested to submit the final EIA/EMP prepared as per the above mentioned ToRs for further consideration of the proposal for environmental clearance. The Project Proponent and the Consultant should abide by the MoEF Notification dated 03.03.2016 and Office Memorandum dated 30.09.2011 and 05.10.2011 along with other stipulations.

3.13.6.2. Standard

8(b)	**Townships/ Area Development Projects / Rehabilitation Centres**
Project Details	
1.	Need and benefits of the project.
2.	Submit data for built-up area for each building, the use and occupancy classification in line with NBC 2016 also to be indicated [for differential functional requirements].
3.	The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
Land Environment	
1.	Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
Land acquisition and R&R	
1.	Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/villages and present status of such activities.
Environmental Monitoring and Management	
1.	Examine baseline environmental quality along with projected incremental load due to the project.
2.	Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
3.	Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
4.	Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.

5.	Possible carbon footprint contribution from each activities and mitigation measures proposed shall be included as part of Environment Management Plan.
Drainage	
1.	Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project.
Forest	
1.	Submit the details of the trees to be felled for the project, if any .
2.	Submit the present land use and permission required for any conversion such as forest, agriculture etc.
Water Environment	
1.	Ground water classification as per the Central Ground Water Authority.
Water Management	
1.	Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
2.	Rain water harvesting proposals should be made with due safeguards for ground water quality.
3.	Maximize recycling of water and utilization of rain water. Examine details.
4.	Examine soil characteristics and depth of ground water table for rainwater harvesting
5.	Permission from CGWA for abstraction of groundwater, if any, including dewatering during basement excavation.
Waste Management	
1.	Examine details of solid waste generation treatment and its disposal.
2.	Construction & Demolition Waste Management Plan shall be prepared as part of EMP providing details of demolition activities involved along with quantification and disposal mechanism.
Energy Requirements	
1.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project.
2.	Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
3.	DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment.
Road and Traffic	
1.	Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.

2.	A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
3.	Examine the details of transport of materials for construction which should include source and availability.
Disaster Management Plan	
1.	Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster. This should cover details of vulnerabilities due to natural and manmade hazards (earthquake, flooding, cyclone, landslides, fire etc.) and details of disaster mitigation efforts for buildings and infrastructure through structural sufficiency and Fire and Life Safety compliance in line with National Building Code NBC, 2016.
Court Cases	
1.	Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
Miscellaneous	
1.	Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website http://moef.nic.in/Manual/Townships.

3.14. Agenda Item No 14:

3.14.1. Details of the proposal

Residential Complex by Godrej Properties Limited by **GODREJ PROPERTIES LIMITED** located at **KOLKATA,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/513127/2024	2N-190/2024(E)	06/12/2024	Building / Construction (8(a))

3.14.2. Project Salient Features

- Salient features of the proposed project as uploaded by the PP in the PARIVESH portal is as below–

Area of Land (As Per Documents & Boundary Declaration)	30108.61 sqm.
Land area after deducting gifts, corner splay, etc.	28781.90 sqm (100%)

Pond Area	3237.51 sqm (11.25%)
Area of Land excluding pond	25544.39 sqm
Ground Coverage Area	14106.273 sqm (49.01%)
Service Area	539.680 sqm (1.88 %)
Paved Area	5788.985 sqm (20.11%)
Exclusive Tree Plantation Area	5109.45 sqm (17.75%) [(20.00 % of 25544.39 s q.m (as pond area more than 10% of land area)]
No. of stories	Residential Complex – Block – 1 (Tower- 1,2,3, & 4) G+P+20 storied Block – 2 Club/assembly G+3 storied
No. of Tenements	482 nos. (3 BHK – 325, 4 BHK – 157)
Total Built-up Area	**112012.539 sqm**
Total Construction Area (TBA + Area for fees)	**116473.889 sqm (112012.539 + 4461.350) sqm**
Total Population During Operation	3445 persons (Fixed – 3049, Floating – 365, Ser vice – 31)
Total Population During Constructi on	904 persons
Source of Water	Kolkata Municipal Corporation

Quantum of Water required	565 KLD (non-monsoon season) 523 KLD (monsoon season)
Quantity of Wastewater Generation	419 KLD
Treated Wastewater Recycled	220 KLD (non-monsoon season) 178 KLD (monsoon season)
Quantity of Wastewater Discharge	199 KLD (non-monsoon season) 241 KLD (monsoon season)
Quantum of Fresh Water required	345 KLD
Quantity of Solid Waste Generation	1610 kg/day(operational phase) 181 kg/day (construction phase)
Constructional phase Water Demand	74 KLD (63 KLD for workers and 11 KLD for construction work)
Electrical Load	4038 KVA (4652 KW)
Electricity Supplied By	CESC
Solar Capacity	56 KW (More than 1 % of Electrical Load)
D.G. Sets	2 nos. 625 KVA
Parking Required	613 Nos.
Parking Provided	1095 Nos. [Ground Floor – 491 Nos., Podium – 430 Nos., 1st floor – 174 Nos.]

Total no. of Trees	Total trees – 463 nos. (Nos. of existing trees to be retained – 38 Nos. and Nos. of proposed plantation – 425 Nos.) Existing trees to be cut – 36 Nos.
Latitude & Longitude of site	22°30'2.71"N, 88°20'21.34"E
Max. Height of the Building	69.90 M
Project Cost (Rs.)	Rs.7,33,00,00,000.00

3.14.3. Deliberations by the committee in previous meetings

N/A

3.14.4. Deliberations by the SEAC in current meetings

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) Land use statement for the project sanctioned by KMC.

2) The capacity of STP mentioned in the DFO approved plan is 450 KLD while in the sanctioned plan it is given as 460 KLD. Necessary clarification should be provided.

3) Section of solar panel layout.

Miscellaneous

4) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality. The STP flow sheet should be modified to show the liquid part of the sludge dewatering system directed to the equalization tank using the arrows properly.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Area of plantation should not be too close to the constructed area to avoid interference of the roots.

h) Elevation of the solar panels to show.

i) Power savings calculations based on the microclimate study and provision of shade-bearing plants where needed should be highlighted.

j) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

5) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

6) Instead of felling down all those 36 trees as proposed, attempts should be made to relocate those as many as possible, especially those two plant spp like Artocarpus lackuchha and Dimecarpus longan

7) Photographs of the existing plantations on the ground with geo coordinates.

8) Final disposal plan of surplus treated effluent and non-bio degradable.

Need-Based EMP

9) Revised Need based activities should be based on the demands of the locality indicating the beneficiaries involved. Correspondence with the potential beneficiaries should be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.14.5. Recommendation of SEAC

Deferred for ADS

3.15. Agenda Item No 15:

3.15.1. Details of the proposal

Residential cum Mercantile (Retail) Buildings by Palladium Constructions Pvt. Ltd. by **PALLADIUM CONSTRUCTIONS PRIVATE LIMITED** located at **KOLKATA,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/512563/2024	2N-189/2024(E)	04/12/2024	Building / Construction (8(a))

3.15.2. Project Salient Features

- Salient features of the proposed project as uploaded by the PP in the PARIVESH portal is as below–

Land area	22143.26 sqm
Ground Coverage	10510.27sqm (47.465% of land area)
Service Area	587.37 sqm (2.653% of land area)
Road area above extended basement	4254.23 sqm (19.212% of land area)
Exclusive Road Area	2125.64 sqm (9.599% of land area)
Exclusive Tree Plantation Area	4434.04 sqm (20.024% of land area)
Landscape area above basement	231.71 sqm (1.046% of land area)
No. of stories	4 nos. Residential Towers – B+SB+G+24 stories with Commercial in Sub-basement, Ground Floor and 1st Floors
No. of Tenements	160 nos. (3 BHK – 60, 4 BHK– 80, 5 BHK – 20)
Total Built-up area	111450.14 sqm
Total Population During Operation	5049 (Fixed – 1447, Floating – 3587, Service – 15) persons
Total Population During Construction	1000 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	330 KLD
Quantity of Wastewater Generation	189KLD

Treated Wastewater Recycled	172 KLD (to be used in landscaping, flushing, yard washing, HVAC & car washing)
Quantity of Wastewater Discharge	17 KLD
Quantum of Fresh Water required	158 KLD
Quantity of Solid Waste Generation	1100 kg/day (operational phase) 200 kg/day (construction phase)
Constructional phase Water Demand	81 KLD (70 KLD for workers and 11 KLD for construction work)
Electrical Load	3520 KVA (2816 KW)
Electricity Supplied By	CESC
D.G. Sets	2 nos. 2000 KVA, 1 no. 1250 and 1 no. 750 KVA
Parking Required	862 nos.
Parking Provided	1006 nos. (Basement level – 222 nos., Sub-basement level – 208 nos., Ground floor level – 52 nos., 1st floor level – 44 nos., 2nd floor level – 240 nos., 3rd floor level – 240 nos.)
Total no. of Trees	Total trees – 278 nos. (Total nos. of existing trees to be retained – 22 nos. and total nos. of proposed plantation – 256 nos.), Trees to be cut – 11 nos.
Latitude & Longitude of site	22°31'.41.3"N, 88°20'22.7"E

Max. Height of the Building	96.85 m
Total project cost (Rs.)	Rs.631.00 Crores

3.15.3. Deliberations by the committee in previous meetings

N/A

3.15.4. Deliberations by the SEAC in current meetings

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory Documents

1) Compliance with the West Bengal Energy Conservation Building Code (ECBC) 2020 of Bureau of Energy Efficiency shall be ensured as per notification no. 07-PO/O/C-III/4M-14/2016 (Part-I) dated 13th January, 2020. A WBECBC compliance report and certificate has to be provided.

2) An exhaustive study on birds, small animals and the local biodiversity along with the possible impact of the proposed project on them. A conservation plan for the endangered species, if any, should also be submitted.

3) While submitting the land use plan within the project area, the details (exact width) of underground service lines including fire, electrical, sewerage and drainage should be depicted with a different colour in order to assess that the area required for exclusive tree plantation does not overlap with these underground service lines. The plan should be certified by the project architect.

4) It is observed that the round about shown in the sanction plan is encroaching upon the mandatory tree plantation area marked in the DFO approved plantation plan. Revised documents in this regard should be submitted.

5) Necessary documents may be furnished as an evidence of ECBC compliance.

6) Use of energy efficient equipment, hybrid equipment, discreet connected sensors to keep the track of lighting, airflow, noise and security may be thought of

7) In stead of felling down proposed 11 trees, attempts should be made to translocate them as per practicability.

8) Disposal plan for construction waste generated and surplus treated sewage.

9) Details of bird friendly design of windows and glazed surface of the buildings.

10) Shadow free area and its utilization details may be submitted.

Water and waste water

11) A report on the impact of basement on the shallow groundwater should be submitted.

Need-Based EMP

12) Revised Need based activities should be based on the demands of the locality indicating the beneficiaries involved.

Miscellaneous

13) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

14) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.15.5. Recommendation of SEAC

Deferred for ADS

3.16. Agenda Item No 16:

3.16.1. Details of the proposal

Expansion of Residential Complex by **LOHARUKA PROJECTS PRIVATE LIMITED** located at **24 PARAGAN AS NORTH,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/513117/2024	2N-22/2019(E)	04/12/2024	Building / Construction (8(a))

3.16.2. Project Salient Features

- Salient features of the project uploaded in the PARIVESH portal is as below –

	Existing Phase I - Environmental Clearance vide Memo No.- 1003/EN/T-II 1/013/2019 dated 30/06/2021	***Proposed expansion Phase II***	***Total Project (Existing + Expansion)***
Land Area (As per land deed)	--	171.24 decimal i.e. 6,929.779 sq.m.	171.24 decimal i.e. 6,929.779 sq.m.
Land Area as per Mutation	--	169.64 decimal i.e. 6,865.03 sq.m.	169.64 decimal i.e. 6,865.03 sq.m.
Land Area (As per physical survey)	6623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.
No. of Flats	216 nos.	12 nos.	228 nos.
No. of Blocks	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C - G+13 storied	Vertical expansion of Block B & C to G+14 storied.	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C- G+14 storied
Block Usage	Residential Buildings	Residential Buildings	Residential Buildings
Expected Population (persons)	Tota 1338 persons	Tota 74 persons	Tota 1412 persons
Total Water Requirement (Operation Stage)	179 kLD	--	175 kLD

Freshwater Requirement	110 kLD (Groundwater abstraction)	--	96 kLD (Groundwater abstraction)
Wastewater Generated	132 kLD (to be treated in STP)	--	124 kLD
Treated Wastewater Generated	129 kLD	--	122 kLD
Treated Wastewater Recycled	65 kLD (landscaping, road cleaning & dual plumbing)	--	75 kLD(landscaping, road cleaning, filter backwash & dual plumbing)
Treated Wastewater Discharged	65 kLD (Municipal drain after treatment in STP)	--	47kLD
Solid Waste Disposal	0.37 tonne/day (to be disposed off through Panchayat & Onsite mechanical composting)	--	390 kg/day or 0.39 tonne/day (to be disposed off through Panchayat & Onsite mechanical composting)
Built Up Area	**22,706.695 sq.m**	**5156.111 sq.m**	**27,862.806 sq.m**
Ground Coverage Area	2176.373 sq.m (32.857 %)	--	2176.373 sq.m (32.857 %)
Service Area	302.474 sq.m (4.566 %)	--	302.474 sq.m (4.566 %)
Internal Road Area	1236.775 sq.m (18.672 %)	--	1236.775 sq.m (18.672 %)

Green area for plantation	1338.147 sq.m (20.202 %)	--	1338.147 sq.m (20.202 %)
Grass Paved Area for Open parking	429.24 sq.m (6.48 %)	--	429.24 sq.m (6.48 %)
Transformer & D.G.	63.00 sq.m (0.951 %)	--	63.00 sq.m (0.951 %)
Soft Area	1018.007 sq.m (15.369 %)	--	1018.007 sq.m (15.369%)
Other Green Area	59.759 sq.m (0.902 %)	--	59.759 sq.m (0.902 %)
Total No. Of Plantation	Proposed Trees to be planted – 113 nos.	--	Proposed Trees to be planted – 113 nos.
No. of Parking Space Proposed	215 nos.	--	215 nos.
Total Power Requirement	798.10 kW, WBSEDCL.	--	877 kW, WBSEDCL.
Back Up Power	1 no. of 500 KVA DG set	--	1 no. of 500 KVA DG set
Solar Power Utilization	1% of total connected load will be generated through solar power.	--	1% of total requirement – 9 kW

3.16.3. Deliberations by the committee in previous meetings

N/A

3.16.4. Deliberations by the SEAC in current meetings

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) In the comparative project details uploaded by the PP, the details of Block C is not mentioned in the item no. 5 in existing phase 1 and total project. Therefore, the statement appears to be misleading. Hence, the PP is requested to submit revised comparative statement in the portal.

2) The PP has submitted the present application changing their name from M/s. AJNA COMMERCIAL PRIVATE LIMITED to M/s. LOHARUKA PROJECTS PRIVATE LIMITED. Necessary documents for change of name of the PP should be provided.

Water and waste water

3) Although the built up area for the project is increasing, the water requirement has decreased. The PP should submit the reasons for such decrease in the water requirement. The entire calculation for the project should be based on NBC, 2016.

4) An undertaking for using the STP water of phase-I for the construction of Phase -II should be provided.

Miscellaneous

5) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) It is observed that no trees have been planted yet even for Phase -I. Explanation/undertaking to be provided

d) Sensor based water quality management system.

e) STP with the digital data for inlet / outlet along with discharge quality.

f) Ambient air quality monitoring station.

g) Ambient noise quality monitoring station.

h) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

6) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

7) An impact study report of nearby livelihood

8) An investigation is required to study the impact caused by the construction on the eco environment of the area viz traffic emission, air and noise pollution and meteorological fluctuations

9) Status of existing plantations with photographs and geo coordinates

10) Details of bird friendly design of windows and glazed surface of the project area.

11) For need -based activities, local under privileged schools should be considered instead of the reputed English medium school mentioned.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.16.5. Recommendation of SEAC

Deferred for ADS

3.17. Agenda Item No 17:

3.17.1. Details of the proposal

Residential Complex by SKDJ Sky Height LLP. by **SKDJ SKY HEIGHT LLP** located at **KOLKATA,WEST BEN GAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/491852/2024	2N-129/2024(E)	22/08/2024	Building / Construction (8(a))

3.17.2. Project Salient Features

- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

Total Land Area	10270.02 sqm (100 %)
Ground Coverage Area	4060.984 sqm (39.542%)
Service Area	186.39sqm (1.815%)
Paved Area	2270.633 sqm (22.109%)
Open Parking Area	639.01 sqm. (6.222%)

Green Area	2168.197 sqm (21.112%)
Other Landscape Area	337.78 sqm (3.29%)
Free gift Area	601.30 sqm (5.854%)
Corner Splay area	5.73 sqm (0.056%)
Total Built Up Area	**36414.711 sqm**
No. of Block & Storey	One (1) Block of 3 interconnected Residential tower s: Tower 1- B+G+21 Tower 2- B+G+15 & Tower 3- B+G+21 Storied
No. of Dwelling units	115 nos. (3 BHK – 24 nos., 4 BHK – 71 nos.,5 BHK – 20 nos.)
Source of Water	KMC supply
Total Quantum of Water requ ired	Non-monsoon season: 146 KLD Monsoon season: 130 KLD
Quantity of Wastewater Gene ration	102 KLD (Design STP capacity – 110 KLD)

Quantity of treated wastewater recycled	**Non – Monsoon :** 62 KLD (Landscaping – 12 KLD, Car washing – 9 KLD, Flushing – 37 KLD, Yard washing – 4 KLD) **Monsoon :** 46 KLD (Landscaping – 0 KLD, Car washing – 9 KLD, Flushing – 37 KLD, Yard washing – 0 KLD)
Quantity of treated wastewater Discharge	Non-monsoon season: 40 KLD Monsoon season: 56 KLD
Quantum of Fresh Water required	84 KLD (Rain water storage tank capacity – 127 KL)
Quantity of Solid Waste Generation	410 kg/day (operational phase) 59 kg/day (construction phase)
Constructional Phase Water Demand	24KLD (Construction work – 4 KLD, Workers –20 KLD)
Total Population During Construction	295 persons
Total Population During Operation	867 persons (fixed person: 781, floating person:78, service person: 8)

Electricity Load	2851.75 KVA or 2281.4 KW
Electricity Supplied By	CESC
D.G. Sets	2 X 380 KVA
Car Parking required	226 nos.
Car Parking provided	307 nos. (Ground floor: open-11 nos., covered-119, B asement– 118 nos.; first floor – 59 nos.)
No. of trees provided	162 nos.
Latitude & Longitude of site	22°30'02.52" N & 88°19'53.60" E
Height of the building	76.60 m.
Project cost (Rs.)	Rs.11990 lakhs

3.17.3. Deliberations by the committee in previous meetings

Date of SEAC 1 :28/08/2024

Deliberations of SEAC 1 :

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations:

Water and waste water

1) The total water requirement for the project given in the sanction plan does not match with the projected water demand submitted by the PP.

2) The population calculation mentioned in the sanction plan does not match with the projected value submitted by the PP.

3) Capacity of STP is not mentioned in the sanctioned master plan.

4) A study report on the impact of basement on shallow ground water flow.

5) Piezometer with automatic water level recorder connected to electronic display board should be provided.

6) Litholog and design of piezometer and recharge wells should be submitted with the compliance report.

7) Disposal of the sewage generated from the areas occupied by the construction labourers should be as per the local body guidelines.

8) Final disposal of treated effluent and non-bio-degradable waste shall be done as per local body guidelines.

Rainwater harvesting

9) First flush diverter (automatic) should be installed in RWH system.

10) Design of recharge structure.

Need based EMP

11) Revised EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted with total project cost and year-wise breakup. Actual needs for the locality should be explored. Items like hand washing station, toilet facility with running water, school infrastructure including incinerator for used sanitary napkins in case of girls' schools, provision for sufficient service water supply and treatment of drinking water, training on environmental awareness including MSW segregation etc. in nearby schools to be considered. Computer literacy training for the local youth may also be considered.

12) All internal, external and façade lighting shall comply with the latest version of National Lighting Code.

13) General meteorology around the tall building is dominated by increased atmospheric stability which in turn allows stagnation of more air masses, which contribute to accumulation of more pollutants. PP is requested to submit AAQ monitoring data to confirm that those are within stipulated limit.

14) Surface run off management from a parking lot after a heavy downpour should be included in the water balance design during/after monsoon.

15) Test report of water quality, especially Arsenic may please be submitted. If possible, Arsenic treatment facility may be provided.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

Date of SEAC 2 :20/11/2024

Deliberations of SEAC 2 :

- The SEAC scrutinized the documents submitted by the PP in the 53rd meeting of SEAC, WB (2023-2026) held on 20.11.2024. After careful consideration and detailed deliberation, the committee recommended that the PP should submit **the details of water calculation only as per NBC, 2016.**

The documents mentioned above may be submitted in the PARIVESH portal for further consideration of the application.
All the documents should be duly signed both by the project proponent and the environmental consultant.

3.17.4. Deliberations by the SEAC in current meetings

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024 and deliberated on the submissions made by the project proponent. SEAC accepted the final proposal consisting of various environmental parameters and salient features and **recommended the proposed project for Environmental Clearance**.

3.17.5. Recommendation of SEAC

Recommended

3.17.6. Details of Environment Conditions

3.17.6.1. Specific

Part A – SPECIFIC CONDITIONS	
1.	**I. Statutory compliance:** i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws. ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc. iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the

project.

iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.

vi. The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.

vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

ix. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

xi. The project proponent should strictly comply with the guidelines for High Rise Buildings, issued by MoEF, GoI vide No. 21-270/2008-IA.III dated 07.02.2012.

xii. The project proponent shall comply with the EMP as proposed in terms of Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020.

II. Air quality monitoring and preservation

i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.

iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel is mandatory. The location of the DG sets may be decided in consultation with State Pollution Control Board.

v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meters height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.

vii. Wet jet shall be provided for grinding and stone cutting.

viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

i. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) along with six monthly Monitoring reports.

v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

vii. Installation of dual pipe plumbing for supply of recycled water and other for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. and for supplying fresh water for drinking, cooking and bathing etc. shall to be done.

viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.

ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. Ground water shall not be withdrawn without approval from the Competent Authority.

xiii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening etc.

xiv. No sewage or untreated effluent water would be discharged through storm water drains.

xv. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by MoEF&CC. Natural treatment systems shall be promoted.

xvi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

xvii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

xviii. Water meter with totaliser should be provided at freshwater inlets, STP discharge and recycling lines.

IV. Noise monitoring and prevention

i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

ii. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly compliance report.

iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

ii. Outdoor and common area lighting shall be LED.

iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.

ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.

vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

xi. **Construction and demolition activities should be equipped with adequate dust emission measures including installation of anti-smog guns.**

VII. Water Body Conservation:-

i. Existing water body (if any) should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat**.**

VIII. Green Cover

i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.

ii. No tree can be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained

based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

iv. Where the trees need to be cut, compensatory plantation as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules shall be done and maintained with prior permission from the concerned Authority. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the DFO approved plantation plan.

v. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

IX. Transport

i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

b. Traffic calming measures.

c. Proper design of entry and exit points.

d. Parking norms as per local regulation.

ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and to be operated only during non-peak hours.

iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

X. Human health issues

i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

ii. For indoor air quality the ventilation provisions as per National Building Code of India.

iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

v. Occupational health surveillance of the workers shall be done on a regular basis.

vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

XI. Environment Management Plan (EMP)

i. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.

ii. The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations within their premises.

iii. At least 10% of the total parking capacity to be provided with electrical charging points for e-vehicles.

iv. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB as a part of six-monthly report.

v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.

vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.

vii. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF&CC along with SEIAA and WBPCB along with the Six-Monthly Compliance Report.

XII. Miscellaneous

i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.

ii. 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 MoEFCC/SEIAA website where it is displayed.

iii. 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 has to display the same for 30 days from the date of receipt.

iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal with a copy to SEIAA and WBPCB.

vi. The project proponent shall 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.

	vii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee (SEAC). x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. xi. 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. xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. xiv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office of MoEF&CC / SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports. xv. 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. xvi. Any appeal against this EC 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.

3.17.6.2. Standard

8(a)	**Building / Construction**
Statutory compliance	
1.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
3.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.

6.	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.
10.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
Air quality monitoring and preservation	
1.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
4.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6.	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7.	Wet jet shall be provided for grinding and stone cutting.
8.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
10.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
11.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

12.	For indoor air quality the ventilation provisions as per National Building Code of India.
Water quality monitoring and preservation	
1.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6.	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
8.	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
10.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13.	All recharge should be limited to shallow aquifer.
14.	No ground water shall be used during construction phase of the project.
1	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines

5.	of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
18.	No sewage or untreated effluent water would be discharged through storm water drains.
19.	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
21.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
Noise monitoring and prevention	
1.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
3.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
Energy Conservation measures	
1.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2.	Outdoor and common area lighting shall be LED.
3.	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

5.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
Waste Management	
1.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4.	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8.	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
10.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
Green Cover	
1.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2.	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation

	in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
Transport	
1.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.
2.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
null	
1.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
Human health issues	
1.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2.	For indoor air quality the ventilation provisions as per National Building Code of India.
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5.	Occupational health surveillance of the workers shall be done on a regular basis.
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.
Miscellaneous	
1.	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 MoEFCC/SEIAA website where it is displayed.
2.	ii. 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 has to display the same

	for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
6.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
7.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
8.	The project proponent shall 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.
9.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP reportand also that during their presentation to the Expert Appraisal Committee.
12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
13.	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.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry 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.
17.	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.
18.	Any appeal against this EC 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.
Specific Conditions	
1.	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.

3.18. Agenda Item No 18:

3.18.1. Details of the proposal

Affordable Housing Complex by Ideal Riverview Projects Pvt. Ltd. by **IDEAL RIVERVIEW PROJECTS PRIVATE LIMITED** located at **HOWRAH,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/495668/2024	2N-79/2021(E)	14/09/2024	Townships/ Area Development Projects / Rehabilitation Centres (8(b))

3.18.2. Project Salient Features

- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

	As per Environmental Clearance issued vide EC Identification No. EC22B038WB189578, date of issue of EC 19.09.2022	**Expansion Part**	**Total after Expansion**
Land area	74150.138 sqm	74150.138 sqm	74150.138 sqm
Owner's Land Encroached by others	--	979.100 sqm	979.100 sqm

Nala Area (Under LR dag no. 6, 8 &13)	--	742.592 sqm	742.592 sqm
Net Land area	--	72428.446 sqm	72428.446 sqm
No. of stories	Eight (8) Residential Towers: Tower 1 to 5 - G+12 storied, Tower 6 to 8 - G+1 storied and 1 no. Club Block - G storied	Four (4) Residential Towers: Tower 6 to 7 - from G+1 to G+18 storied, Tower 8 - from G+1 to G+12 storied, Tower 9 - G+28 storied and Club 2 - G+1 storied above Basement	Nine (9) Residential Towers: Tower 1 to 5 & 8 - G+12 storied, Tower 6 to 7 - G+18 storied, Tower 9 - G+28 storied Club 1 - G storied and Club 2 - G+1 storied above Basement
No. of Flats	970 nos. (2 BHK - 715 nos. + 3 BHK - 225 nos.)	Flats - 944 nos.	Flats - 1914 nos.(1 BHK - 2, 1 BHK + study - 2, 2 BHK - 846, 2 BHK + study - 70, 3 BHK - 935, 3 BHK duplex - 1, 4 BHK - 52, 4 BHK duplex - 3, 5 BHK duplex - 2, 6 BHK duplex - 1)
Latitude & Longitude of site	22°33'10.95" N, 88°18'41.14" E		
Total Built-up Area	**57424.614 sqm**	**115418.034 sqm**	**172842.648 sqm**
Ground Coverage	8767.79 sqm (11.82% of L and Area)	--	14430.660 sqm (19.924% of L and Area)
Exclusive Tree Plantation Ar	14882.70sqm (20.07% of	--	14798.812 sqm (20.432% of L

ea	Land Area)		and Area)
Waterbody Area	3895.91sqm (5.25% of Land Area)	--	3895.910 sqm (5.379% of Land Area)
Service Area	1403.80 sqm (1.89% of Land Area)	--	2471.455 sqm (3.412% of Land Area)
Swimming pool Area	354.00 sqm (0.48% of Land Area)	--	306.250 sqm (0.423% of Land Area)
Paved Area	12964.62 sqm (17.48% of Land Area)	--	26422.428 sqm (36.481% of Land Area)
Open Parking Area	4195.52 sqm (5.66% of Land Area)	--	2889.147 sqm (3.989% of Land Area)
Future Expansion Area	27685.80 sqm (37.34% of Land Area)	--	7213.784 sqm (9.960% of Land Area)
Source of Water	Howrah Municipal Corporation		
Quantum of Water required	804 KLD	892 KLD	1696 KLD
Quantity of Wastewater Generation	560 KLD	700 KLD	1260 KLD
Treated Wastewater Recycled	232 KLD (to be used in landscaping, flushing & car w	439 KLD	671 KLD

	ashing)		
Quantity of Wastewater discharged	328 KLD	261 KLD	589 KLD
Quantum of Fresh Water required	572 KLD	453 KLD	1025 KLD
Quantity of Solid Waste Generation	2700 Kg/day	2900 Kg/day	5600 Kg/day
Construction Phase Water Demand	39 KLD (33 KLD for workers and 6 KLD for construction work)	76 KLD	115 KLD (98 KLD for workers and 17 KLD for construction work)
Population During Construction	465 persons	930 persons	1395 persons
Total Population During Operation	5668 (Fixed - 5105 and Floating - 563) persons	6268 (Fixed - 5592, Floating - 676) persons	11936 (Fixed - 10697, Floating - 1239) persons
Electricity (Demand Load)	2381 KW, CESC	7020 KVA (5967.29 KW), CESC	9821.51 KVA (8348.29KW), CESC
D.G. Sets for Back up power	2 nos. 500 KVA and 2 nos. 600 KVA	6 nos. 600 KVA	2 nos. 500 KVA & 8 nos. 600 KVA
Parking Provided	Cars - 805 nos.(Covered - 204 nos., Open - 17 nos. & Mechanical - 584 nos.), Sc	Cars - 934 nos. (Covered - 770 nos., Open - 50 nos. & Mechanical - 114	Cars - 1739 nos.(Covered - 223 nos., Basement parking - 751 nos., MLCP - 698 nos. & Open

	ooty - 112 nos.	nos.), Scooty - 28	Parking - 67 nos.), Scooty - 14 0 nos.
Total no. of trees proposed	1060 nos.	--	1060 nos.
Project Cost (Rs.)	Rs.167.82 crores	Rs.339.52 crores	Rs. 507.34 crores

3.18.3. Deliberations by the committee in previous meetings

Date of SEAC 1 :25/09/2024

Deliberations of SEAC 1 :

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) The building configuration and the dag nos. mentioned in the fire safety recommendation do not match with the sanctioned building plan.

2) Revised comparative statement showing proper land use in sqm. and percentage.

3) Concurrence from Howrah Municipal Corporation regarding collection and disposal of non-biodegradable portion of the solid waste generated.

Energy management and Solar

4) Detailed plan of solar power plant generation including PV array for atleast 1% of the connected load should be submitted. Area of rooftop provided to be shown in the plan.

5) External lighting design of the landscaped areas and building facade should be in compliance with section 7.5, Part 11, NBC 2016 and the National Lighting Code 2010.

Water and waste water

6) The flushing water requirement of 21 KLD does not comply with NBC, 2016. The construction manual (undated) cited in favour of this is a demand-side management proposition and cannot be used for supply-side requirement calculation. Revised water balance based on NBC, 2016 should be provided. The modification, if any, due to change of water required, should be highlighted.

7) Revised analysis report of ground water and surface water quality as mentioned in the meeting.

8) Break-up of the quantities of water from HMC and from borewells along with the pumping schedule.

9) Depth of tubewells already installed. Location of tubewells and distance between the wells should be submitted. Location of the third tubewell will have to be and its distance from the other two wells should be submitted.

10) Pumping schedule of the wells should be submitted.

11) The estimated groundwater resource for safe yield from the project land parcel is approximately 327 m^3/day. The Project authority has permission to withdraw 300 m^3/day from 3 tubewells. HMC will deliver water to meet the remainder of the water demand (725 KLD). If HMC fails to provide the required 725 KLD of water, the aquifer will be severely stressed on account of withdrawal of this large volume of water. The static groundwater level within the project boundary is 18.28 m. As a result, withdrawing permitted 300KLD of groundwater will cause a further decline of the piezometric surface, which has to be assessed. It is also critical to understand the volume of water that will be recharged by rainwater harvesting, as proposed in the EIA report and the resultanting rise in the water level. If the rise caused by the recharge keeps the water level at its current level, the recommended recharge volume is enough. If not, further artificial recharge will be required through recharge wells. The number of additional recharge wells will have to be determined and reported and provided.

12) Groundwater quality of the two tube wells installed within the project area will have to be submitted.

13) Details of WTP.

14) Plan for installation of piezometer with automatic groundwater level measurement and recording system connected to display board.

15) Impact of basement on the shallow ground water flow.

16) Flow sheet of STP to revise by showing backwash water and diverting the wash water to the equalization tank.

17) Surface water quality to include the data for Swarnamoyee canal and the ponds (not 'lakes')

Need-based EMP

18) Need-based activities for the particular extension part should not be confused with the general CSR of the company.

19) Evidence should be provided by photograph and/or certificate from the beneficiaries for the need - based activities corresponding to the previous part of the project for which EC was issues on 19.9.2022.

20) Specific need-based activities for the proposed expansion part of the project indicating the beneficiaries involved.

Miscellaneous

21) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Non-compliance related to the traffic and road should be addressed and a plan should be submitted.

h) Piezometer should be installed and the data should be displayed on the display board. Data for recharge of harvested rainwater should be furnished during operation phase.

i) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

22) Charging facility for e-vehicles should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.18.4. Deliberations by the SEAC in current meetings

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. SEAC scrutinized the documents submitted by the project proponent in the meeting and observed that the PP has not complied with the condition of the EC regarding need-based activity.

Hence, the **PP should submit the compliance of earlier need-based activities given in the EC issued dated 19.09.2022. Evidence should be provided by photograph and certificate from the beneficiaries. The necessary fund allocation for the need based activity should be reflected in the balance sheet**.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.
All the documents should be duly signed both by the project proponent and the environmental consultant.
The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.18.5. Recommendation of SEAC

Deferred for ADS

3.19. Agenda Item No 19:

3.19.1. Details of the proposal

Residential Buildings by DTL Estate Pvt. Ltd. by **DTL Estate Pvt ltd** located at **KOLKATA,WEST BENGAL**			
Proposal For		Fresh EC	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/INFRA2/500245/2024	2N-19/2012(E)	21/10/2024	Building / Construction (8(a))

3.19.2. Project Salient Features

- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

Land Area (As per land deed)	16904.77sqm
Land Area (As per ULC)	16905.00 sqm
Net Land Area	12200.67 sqm (Excluding Pond area)
Land Area (as per Physical Measurement)	16065.75 sqm (100%)
Ground Coverage Area	5575.26 sqm (34.70%)

Service Area	544.56 sqm (3.39%)
Paved Area	3637.77 sqm (22.64%)
Pond/Water Body Area	3865.08 sqm (24.06%)
Exclusive Tree Plantation Area	2443.08 sqm [15.21% of total land area (as per Physical Measurement) & 20.02% of Net Land area]
No. of stories	Residential Buildings: Block A–G+XXI storied (Tower 1) & B+ G+XXI storied (Tower 2 & 3) Block B – G+XVII storied (Tower 4)
No. of Flats	223 (3 BHK – 147, 4 BHK – 76) nos.
Total Built-up area	**67707.463 sqm**
Total Population During Operation	1569 (Fixed – 1414, Floating – 141, Serv ice – 14) persons
Total Population During Construction	550 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	244 KLD(non-monsoon season) 224 KLD (monsoon season)
Quantity of Wastewater Generation	178 KLD

Treated Wastewater Recycled	**Non – Monsoon:**101 KLD (Landscaping – 15 KLD, Car washing – 14 KLD, Flushing – 67 KLD, Yard washing – 5 KLD) **Monsoon:**52 KLD (Landscaping – 0 KLD, Car washing – 14 KLD, Flushing – 67 KLD, Yard washing – 0 KLD)
Quantity of Wastewater Discharge	77 KLD (non-monsoon season) 97 KLD (monsoon season)
Quantum of Fresh Water required	143 KLD
Quantity of Solid Waste Generation	800 kg/day (operational phase) 110 kg/day (construction phase)
Constructional phase Water Demand	46 KLD (39 KLD for workers and 7 KLD for construction work)
Electrical Load	1674.36 KVA (1423.2 KW)
Electricity Supplied By	CESC
D.G. Sets no.	1 X 600 KVA & 1 X 750 KVA
Parking Required	446 nos.
Parking Provided	475 nos. [Basement Double Layer Covered – 164 nos., Basement Single Layer Covered – 9 nos., Ground floor Single Layer Covered – 148 nos., Ground floor Single Layer op

	en Parking – 2 nos., 1st & 2nd floor Single Layer Covered – 152 nos.]
Total no. of Trees	Proposed – 200, Existing – 36 (1 no. existing tree at KMC area & 7 no. existing trees to be removed).
Latitude & Longitude of site	22°30'37.20"N, 88°19'26.51"E
Height of the Building	Block A – 72.6 m & Block B – 60 m.
Project Cost (Rs.)	Rs.372.85 Crores

3.19.3. Deliberations by the committee in previous meetings

Date of SEAC 1 :09/11/2024

Deliberations of SEAC 1 :

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1 According to the micro-climatic analysis report, considering the height of the towers being constructed, the pond / waterbody will experience an area of permanent shadow due to the shading effect of the four towers. This will lead to disturbance of the entire ecology of the waterbody and decrease in D.O. concentration. Considering the above, a detailed plan should be drawn up to maintain the ecology of the waterbody. Necessary documents should be submitted in this regard.

2 The frequency of monitoring of environmental parameters as suggested in the EMP should be increased. Sensor based real time ambient air quality monitoring stations to be installed and report to be submitted on a regular basis.

Water and waste water

3 Water usage as per NBC 2016 should be submitted.

4 Subsurface hydro-geological study report of the area. Impact of the basement on the shallow ground water flow.

5 Condensate from the ACs should be routed to the recharge wells as far as possible.

Water-body and rainwater harvesting

6 Proposed usage of pond should be submitted.

7 Details regarding capacity and location of rainwater harvesting tank compared to the one-day fresh water demand.

8 First flush diverter to be added to RWH system.

9 The capacity of the rainwater harvesting tank is less than that of the fresh water demand.

Need based EMP

10 Revised need-based EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 needs to be submitted. Beneficiaries for the social part of EMP should be identified and their consent should be submitted.

Miscellaneous

11 The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

h) Piezometer with automatic water level recorder connected to a display board. Litholog of piezometer to be submitted.

Plan in this regard to be submitted.

12 Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.19.4. Deliberations by the SEAC in current meetings

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. SEAC scrutinized the documents submitted by the project proponent in the meeting and deliberated on the submissions made by the project proponent, SEAC accepted the final proposal consisting of various environmental parameters and salient features and **recommended the proposed project for Environmental Clearance**.

3.19.5. Recommendation of SEAC

Recommended

3.19.6. Details of Environment Conditions

3.19.6.1. Specific

Part A – SPECIFIC CONDITIONS	
1.	**I. Statutory compliance:** i. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws. ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc. iii. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project. iv. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable. v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.

vi. The project proponent shall obtain the necessary permission for drawl of ground water /surface water required for the project from the competent authority.

vii. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

viii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

ix. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

x. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

xi. The project proponent should strictly comply with the guidelines for High Rise Buildings, issued by MoEF, GoI vide No. 21-270/2008-IA.III dated 07.02.2012.

xii. The project proponent shall comply with the EMP as proposed in terms of Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020.

II. Air quality monitoring and preservation

i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.

iv. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel is mandatory. The location of the DG sets may be decided in consultation with State Pollution Control Board.

v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meters height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

vi. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.

vii. Wet jet shall be provided for grinding and stone cutting.

viii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.

ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

xi. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

i. The natural drainage system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) along with six monthly Monitoring reports.

v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.

vi. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

vii. Installation of dual pipe plumbing for supply of recycled water and other for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. and for supplying fresh water for drinking, cooking and bathing etc. shall to be done.

viii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc.) for water conservation shall be incorporated in the building plan.

ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

xi. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.

xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. Ground water shall not be withdrawn without approval from the Competent Authority.

xiii. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall

be recycled/re-used for flushing, AC make up water and gardening.

xiv. No sewage or untreated effluent water would be discharged through storm water drains.

xv. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by MoEF&CC. Natural treatment systems shall be promoted.

xvi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.

xvii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

xviii. Water meter with totaliser should be provided at freshwater inlets, STP discharge and recycling lines.

IV. Noise monitoring and prevention

i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

ii. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the MoEF&CC along with SEIAA and WBPCB as a part of six-monthly compliance report.

iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.

ii. Outdoor and common area lighting shall be LED.

iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

iv. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local

building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.

ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

iii. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

iv. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.

v. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.

vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.

vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

viii. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

xi. **Construction and demolition activities should be equipped with adequate dust emission measures including installation of anti-smog guns.**

VII. Water Body Conservation:-

i. Existing water body (if any) should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat**.**

VIII. Green Cover

i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.

ii. No tree can be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).

iii. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.

iv. Where the trees need to be cut, compensatory plantation as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules shall be done and maintained with prior permission from the concerned Authority. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the DFO approved plantation plan.

v. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

IX. Transport

i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

b. Traffic calming measures.

c. Proper design of entry and exit points.

d. Parking norms as per local regulation.

ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and to be operated only during non-peak hours.

iii. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

X. Human health issues

i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

ii. For indoor air quality the ventilation provisions as per National Building Code of India.

iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

v. Occupational health surveillance of the workers shall be done on a regular basis.

vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

XI. Environment Management Plan (EMP)

i. The project proponent should submit the proposed EMP on a six monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.

ii. The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations within their premises.

iii. At least 10% of the total parking capacity to be provided with electrical charging points for e-vehicles.

iv. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the Regional Office of MoEF&CC along with SEIAA and WBPCB as a part of six-monthly report.

v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of Senior Executive, who will directly report to the head of the organization.

vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.

vii. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF&CC along with SEIAA and WBPCB along with the Six-Monthly Compliance Report.

XII. Miscellaneous

i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.

ii. 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 MoEFCC/SEIAA website where it is displayed.

iii. 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 has to display the same for 30 days from the date of receipt.

iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal with a copy to SEIAA and WBPCB.

vi. The project proponent shall 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.

vii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

	ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the State Expert Appraisal Committee (SEAC). x. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA. xi. 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. xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. xiv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office of MoEF&CC / SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports. xv. 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. xvi. Any appeal against this EC 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.

3.19.6.2. Standard

8(a)	**Building / Construction**
Statutory compliance	
1.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
3.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6.	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

8.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.
10.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
Air quality monitoring and preservation	
1.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
4.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6.	Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7.	Wet jet shall be provided for grinding and stone cutting.
8.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
10.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
11.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
12.	For indoor air quality the ventilation provisions as per National Building Code of India.
Water quality monitoring and preservation	

1.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6.	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
8.	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
10.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13.	All recharge should be limited to shallow aquifer.
14.	No ground water shall be used during construction phase of the project.
15.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional

	Office, MoEF&CC along with six monthly Monitoring reports.
17.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
18.	No sewage or untreated effluent water would be discharged through storm water drains.
19.	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
21.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
Noise monitoring and prevention	
1.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
3.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
Energy Conservation measures	
1.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2.	Outdoor and common area lighting shall be LED.
3.	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of

	the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
Waste Management	
1.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4.	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8.	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
10.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
Green Cover	
1.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2.	A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and

	external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
Transport	
1.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.
2.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
null	
1.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
Human health issues	
1.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2.	For indoor air quality the ventilation provisions as per National Building Code of India.
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
4.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5.	Occupational health surveillance of the workers shall be done on a regular basis.
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.
Miscellaneous	
1.	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 MoEFCC/SEIAA website where it is displayed.
2.	ii. 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 has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

4.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for 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. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
6.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
7.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
8.	The project proponent shall 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.
9.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP reportand also that during their presentation to the Expert Appraisal Committee.
12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
13.	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.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry 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.
17.	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.
18.	Any appeal against this EC 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.

Specific Conditions	
1.	Recommendations of mitigation measures from possible accident shall be implemented based on Risk Assessment studies conducted for worst case scenarios using latest techniques.

3.20. Agenda Item No 20:

3.20.1. Details of the proposal

Beloa Sand Mine by **M/S UJJAL KUMAR KHAN** located at **BANKURA,WEST BENGAL**			
Proposal For		Mining EC Under 5 Ha	
Proposal No	**File No**	**Submission Date**	**Activity (Schedule Item)**
SIA/WB/MIN/494436/2024	2N-160/2023(E)	29/08/2024	Mining of minerals (1(a))

3.20.2. Project Salient Features

- This is a proposal for Beloa Sand Mine on the Damodar River comprising an area of 2.02 ha (5.00 Acres) at J. L. No. – 108, Plot No. 401(P), Mouza – Beloa, PS – Sonamukhi, District – Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DA_SM_23.**
- The reserves and year wise production details as mentioned in the Mining Plan is given below :-

Reserve and year wise production details of the mine

Year	**Total Area (ha)**	**Production Area (ha)**	**Thickness (m)**	**Mineable Reserve (cum)**	**Geological Resource (cum)**	**Replenishment rate (%)**
1	2.02	1.48	3.00	44400	60600	100
2	2.02	1.48	2.202	32589.6	44480.4	73.40
Total reserve				**76989.6**	**105080.4**	

3.20.3. Deliberations by the committee in previous meetings

Date of SEAC 1 :11/09/2024
Deliberations of SEAC 1 :

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 48th meeting SEAC, WB (2023-2026) held on 11.09.2024. After careful consideration and detailed, the committee recommended that the PP should submit the following in the PARIVESH portal for further consideration of the application:-

a) Valid Letter of Intent from the competent authority.

b) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc) may also be uploaded. Evidence of the activities already done should be provided by photographs with geo-coordinates. The activities should be completed within the first two years of the project life.

c) A study report on base flow level measured at 5 points with date and supporting photographs should be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

d) The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation. A Progressive Greenbelt Plan may be prepared. The project area being entirely on the riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region. Spatial year wise progressive plantation programme to be submitted.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

Date of SEAC 2 :30/10/2024
Deliberations of SEAC 2 :

- The SEAC scrutinized the documents submitted by the PP in the 51st meeting SEAC, WB (2023-2026) held on 30.10.2024. Based on the submission made by the PP, the SEAC observed that the PP has not submitted proper reply to the queries raised. Hence, the PP is once again requested to submit specific point wise reply and upload the requisite documents as directed by the SEAC for further consideration off the proposal.

All the documents should be duly signed both by the project proponent and the environmental consultant.
The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

3.20.4. Deliberations by the SEAC in current meetings

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. After careful consideration and detailed deliberation, the committee observed that according to the grant order for the project uploaded by the PP, the DM, Bankura has granted mining lease for the project for a period of two years vide letter dated 06.05.2016. No further extension has been submitted by the PP.
- Considering the above, the SEAC recommended that the **PP should submit comprehensive document in the form of valid LoI for the project** based on which the appraisal process can be continued further.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.
All the documents should be duly signed both by the project proponent and the environmental consultant.
The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

3.20.5. Recommendation of SEAC

Deferred for ADS

4. Any Other Item(s)

N/A

5. List of Attendees

Sr. No.	Name	Designation	Email ID	Remarks
1	Dr Rajesh Kumar IPS	Member Secretary, SEAC	ms.********@bangla.gov.in	Present.
2	Prof Anirban Gupta	Chairman, SEAC	gup*********@hotmail.com	Absent
3	Prof Dr Indranath Sinha	SEAC MEMBER	ind**********@gmail.com	Present.
4	Aniruddha Mukhopadhyay	SEAC MEMBER	amc********@gmail.com	Present.
5	Pradip Kumar Sikdar	SEAC MEMBER	pra**********@gmail.com	Present.
6	Sampa Chakrabarti	SEAC MEMBER	sam********@gmail.com	Present.
7	Suchandra Bardhan	SEAC MEMBER	suc********@gmail.com	Present.
8	Subhendu Bandopadhyay	SEAC MEMBER	shu**********@gmail.com	Present.
9	Dr Ponnekanti Joseph Ratnakar	SEAC MEMBER	jrp*********@gmail.com	System Error.

Minutes of the 56th meeting of the State Level Expert Appraisal Committee, West Bengal (2023-2026) held on December 18, 2024 at 14:00 hr at the Conference Room, Paribesh Bhawan, Bidhannagar.

The 56th meeting of the State Level Expert Appraisal Committee (SEAC), West Bengal (2023-2026) was held on Wednesday the 18th December, 2024 at 14:00 hr at the Conference Room, Paribesh Bhawan, Bidhannagar. The following members participated:

1)	Dr. Rajesh Kumar, IPS	Secretary, SEAC	Present
2)	Prof. Indranath Sinha	Vice Chairman, SEAC	Present
3)	Prof. Pradip Kumar Sikdar	Member, SEAC	Present
4)	Prof. Sampa Chakrabarti	Member, SEAC	Present
5)	Prof. Suchandra Bardhan	Member, SEAC	Present
6)	Prof. Aniruddha Mukhopadhyay	Member, SEAC	Present
7)	Shri Shubhendu Bandyopadhyay	Member, SEAC	Present

1) TECHNICAL PRESENTATIONS:-

1.1) Environmental Clearance:

1.1.1) Mining of Minerals :

I. Proposed Ratgara Sand Mine over an area of 1.62 ha (4.00 acres) on the Dwarka river at Plot No. 1207(P), JL No. 07, Mouza – Ratgara, PS – Mayureswar, Dist – Birbhum, West Bengal.

Proposal No.: **SIA/WB/MIN/503320/2024**
Project Proponent: **Shri Dhurub Prasad**
Environmental Consultant: **M/s. Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for Ratgara Sand Mine over an area of 1.62 ha (4.00 acres) on the Dwarka river at Plot No. 1207(P), JL No. 07, Mouza – Ratgara, PS – Mayureswar, Dist – Birbhum, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 21.03.2017 and the approved plan has been uploaded at the PARIVESH portal by the PP**.**
- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has submitted copy of LoI dated 08.03.2017**.**
- **The PP has received lease deed for the project for a period of 5 (five) years from 06.02.2024.**
- **The PP has not uploaded cluster certificate from the competent authority.**

- The PP has obtained EC issued by DEIAA vide Memo No. 646/S/SDO Suri(Sadar)/2017 dated 10.04.2017**.**
- The PP has uploaded a coordinate map for the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 07.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

  *"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today***."**

  This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

  The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.
- Considering the above, the SEAC recommended that the project proposal may be rejected.

II. Proposed MDTNB-7 Sand Mine over an area of 3.04 ha on the Subarnarekha River bed at Mouza - Palasia, J.L. No.: 96, Plot No.: 1370P & 482P, P.S.: Dantan, District: Paschim Midnapur, West Bengal.

Proposal No.:	**SIA/WB/MIN/513778/2024**
Project Proponent:	**Shri Kumarjit Giri**
Environmental Consultant:	**M/s. Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for MDTNB-7 Sand Mine over an area of 3.04 ha on the Subarnarekha River bed at Mouza - Palasia, J.L. No.: 96, Plot No.: 1370P & 482P, P.S.: Dantan, District: Paschim Midnapur, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The

Plan has been approved by the State Government on 03.10.2018 and the approved plan has been uploaded at the PARIVESH portal by the PP.

- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has obtained EC issued by DEIAA vide Memo No. 59(6)/DEIAA/2016 dated 11.10.2018**.**
- The PP has submitted copy of LoI dated 20.07.2018.
- **The PP has not uploaded complete lease deed for the project**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**
- **The PP has not submitted the requisite EC processing fees** as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 07.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Paschim Midnapur district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

  *"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today***."**

  This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

  The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.
- Considering the above, the SEAC recommended that the project proposal may be rejected.

III. Proposed Bhandirban Sand Mine over an area of 2.58 ha (6.38 acres) on the Mayurakshi river at Plot No. 279(P), 290(P), 291, 292, JL No. 202, Mouza – Bhandirban, PS – Suri-I, Dist – Birbhum, West Bengal.

Proposal No.:	**SIA/WB/MIN/513810/2024**
Project Proponent:	**Shri Suneel Jha**
Environmental Consultant:	**M/s. Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for Bhandirban Sand Mine (Sand Block code – BIR/SURI-1/BHANDIRBAN/252/2016) over an area of 2.58 ha (6.38 acres) on the Mayurakshi river at Plot No. 279(P), 290(P), 291, 292, JL No. 202, Mouza – Bhandirban, PS – Suri-I, Dist – Birbhum, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 07.02.2018 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has obtained EC issued by DEIAA vide Memo No. 281/SDO/Suri(Sadar)/2018 dated 22.02.2018**.**
- The PP has submitted copy of LoI dated 08.12.2017.
- **The PP has received lease deed for the project for a period of 5 (five) years from 06.04.2023**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**
- **The PP has not submitted the requisite EC processing fees** as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 07.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

  *"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today***."**

  This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

  The applicant has applied in the PARIVESH portal on 07.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.
- Considering the above, the SEAC recommended that the project proposal may be rejected.

IV. Proposed MIN_BNK_55_A sand mine over an area of 15.00 Ha (37.065 acres) on the Darakeswar river bed at J.L. No.: 55, Mouza: Bhagalpur, Plot No.: 1366,1367,1426, J.L. No.: 61, Mouza: Hati, Plot No.: 3, 4, 61, 62, 63, 81, 80, 83, 84, P.S. & Block: Kotulpur, J.L. No.: 103, Mouza: Behar, Plot No.: 963, 2473, 2455, 2456, 1036, 1037, 2340, 2362, J.L. No.: 104, Mouza: Parikhapara, Plot No.: 996, 999, 1001, 1009, 1008, P.S. & Block : Indas, District: Bankura, West Bengal.

Proposal No.:	**SIA/WB/MIN/499938/2024**
Project Proponent:	**M/s. West Bengal Mineral Development And Trading Corporation Limited**
Environmental Consultant:	**M/s Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for MIN_BNK_55_A sand mine over an area of 15.00 Ha (37.065 acres) on the Darakeswar river bed at J.L. No.: 55, Mouza: Bhagalpur, Plot No.: 1366,1367,1426, J.L. No.: 61, Mouza: Hati, Plot No.: 3, 4, 61, 62, 63, 81, 80, 83, 84, P.S. & Block: Kotulpur, J.L. No.: 103, Mouza: Behar, Plot No.: 963, 2473, 2455, 2456, 1036, 1037, 2340, 2362, J.L. No.: 104, Mouza: Parikhapara, Plot No.: 996, 999, 1001, 1009, 1008, P.S. & Block : Indas, District: Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_KP_29A.**
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 689-lCE-12011(99)/68/2022-MINES Dated 31.11.2022.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' prepared for riverbed sand mining at the site by an RQP. The Plan has been approved by the State Government on 28.08.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

Geological Resource

Year	Total Area (ha)	Thickness (m)	Replenishment Rate (%)	Geological Resource (cu.m)
1	15.00	3	--	450000
2	15.00	2.346	78.20	351900
3	15.00	2.346	78.20	351900
4	15.00	2.346	78.20	351900
5	15.00	2.346	78.20	351900
Total Geological Resource				**1857600**

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below:

Year	Total Mineable Area (ha)	Thickness (m)	Replenishment Rate (%)	Mineable Reserve (cu.m)	Annual production (Cu.m)
1	8.59	3	--	257700	180390
2	8.59	2.346	78.20	201521.40	201521.40
3	8.59	2.346	78.20	201521.40	201521.40

4	8.59	2.346	78.20	201521.40	201521.40
5	8.59	2.346	78.20	201521.40	201521.40
Total Mineable Reserve				**1063785.60**	**986475.60**

- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded cluster certificate from the competent authority. **The sand block forms a cluster with an adjacent sand block with MIN_BNK_55C sand block.**
- The PP has submitted an undertaking regarding need-based EMP for the project**.**
- The PP has submitted the requisite EC processing feesas required under Notification No. 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 11.09.2023 (Proposal No. SIA/WB/MIN/443172/2023).
- The PP obtained Terms of Reference issued by SEIAA vide No. 2645/EN-T-II-1/524/2023 dated 22.11.2023.
- Public Hearing was conducted by WBPCB on 20.09.2024.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 09.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024. The SEAC observed that the PP has not submitted complete pointwise reply to all the points raised in the Public Hearing. Hence, the PP is requested to submit point wise reply to the issues raised in the Public Hearing.
- The PP is also requested to submit the following :

  1) The need-based activities under EMP uploaded by the PP should be revised. Year wise budgetary allocation for each head should be submitted.
  2) Breakup of the project cost.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

V. Proposed MIN_BNK_57 Sand Mine over an area of 9.21 ha (22.74 Acres) on the Dwarakeswar River at Mouza: Sonatapol, J.L. No.: 75, Plot No.: 1, P.S. & Block - Onda, District: Bankura, West Bengal.

Proposal No.:	**SIA/WB/MIN/502164/2024**
Project Proponent:	**M/s. West Bengal Mineral Development And Trading Corporation Limited**
Environmental Consultant:	**M/s. Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for MIN_BNK_57 Sand Mine over an area of 9.21 ha (22.74 Acres) on the Dwarakeswar River at Mouza: Sonatapol, J.L. No.: 75, Plot No.: 1, P.S. & Block - Onda, District: Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_ON_09A and BNK_DW_B2_09B.**
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 04(I/301012/2022)-ICE-12011(99)/27/2022-MINES SEC-Dept of ICE Dated 03.01.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' prepared for riverbed sand mining at the site by an RQP. The Plan has been approved by the State Government on 27.03.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

Geological Resource

Year	**Total area (ha)**	**Thickness(m)**	**Replenishment Rate %**	**Geological Resource (cum)**
1	9.21	3	100	27,6300
2	9.21	2.346	78.20	2,16,066.60
3	9.21	2.346	78.20	2,16,066.60
4	9.21	2.346	78.20	2,16,066.60
5	9.21	2.346	78.20	2,16,066.60
Total Geological Resource				**11,40,566.40**

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below:

Year	**Avg Minable area (ha)**	**Thickness(m)**	**Replenishment Rate %**	**MR (Cum)**	**Annual production (Cum)**
1	7.94	3	100	2,38,200	2,38,200
2	7.94	2.346	78.20	1,86,272.40	1,86,272.40
3	7.94	2.346	78.20	1,86,272.40	1,86,272.40
4	7.94	2.346	78.20	1,86,272.40	1,86,272.40
5	7.94	2.346	78.20	1,86,272.40	1,86,272.40

The Mineable Reserve	**9,83,289.60**	**9,83,289.60**

- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded non-cluster certificate from the competent authority. **The sand block does not form a cluster with any adjacent sand block.**
- The PP has submitted an undertaking regarding need-based EMP for the project**.**
- The PP has submitted the requisite EC processing feesas required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 21.04.2023 (Proposal No. SIA/WB/MIN/426845/2023).
- The PP obtained Terms of Reference issued by SEIAA vide No. 1643/EN-T-II-1/391/2023 dated 09.08.2023.
- Public Hearing was conducted by WBPCB on 13.09.2024.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 09.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024. The SEAC observed that the PP has not submitted complete reply to all the points raised in the Public Hearing. Hence, the PP is requested to submit point wise reply to the issues raised in the Public Hearing.
- The PP is also requested to submit the following :
  1) The need-based EMP uploaded by the PP should be revised. Year wise budgetary allocation for each head should be submitted.
  2) Breakup of the project cost.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

VI. Proposed Dhanyagram Sand Mine over an area of 4.59 Ha on the Mayurakshi River bed at Mouza - Dhanyagram, J.L. No.-206, Plot No.- 1 (P), P.S.: Suri, District: Birbhum, West Bengal.

Proposal No.:	**SIA/WB/MIN/513505/2024**
Project Proponent:	**M/s. Swastik Traders**
Environmental Consultant:	**M/s. Centre for Envotech and Management Consultancy Private Limited.**

Activity:

- This is a proposal for Dhanyagram Sand Mine (Sand Block code – BIR/SURI-I/DHANYAGRAM/287/2018) over an area of 4.59 Ha on the Mayurakshi River bed at Mouza - Dhanyagram, J.L. No.-206, Plot No.- 1 (P), P.S.: Suri, District: Birbhum, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 10.01.2019 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has obtained EC issued by DEIAA vide Memo No. 1810(15)EC/S dated 29.09.2018**.**
- The PP has submitted copy of LoI dated 30.08.2018.
- **The PP has received lease deed for the project for a period of 5 (five) years from 11.12.2019**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**
- The PP has not submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 06.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the coordinate map uploaded by the PP **falls outside the potential mining zone** recorded in the approved District Survey Report (DSR) of Birbhum district. The PP has also not uploaded the mandatory documents like valid LoI, valid Mine Plan, Cluster Certificate required for appraisal.
- The SEAC also took into consideration the direction issued by the Hon'ble Supreme Court on 12.11.2024 wherein the PP were directed as mentioned :

  *"There may be parties who have not applied to SEIAA for such re-appraisal. They may do the same within a period of three weeks from today***."**

This was followed by an O.M. issued by MoEF&CC dated 16.11.2024 directing the stake holders to comply with the Supreme Court's order as mentioned above.

The applicant has applied in the PARIVESH portal on 06.12.2024 which is beyond the time line issued by the Hon'ble Supreme Court.

- Considering the above, the SEAC recommended that the project proposal may be rejected.

VII. Proposed Pagrangbong Sand & Boulder Mine over an area of 1.01 Ha (2.50 Acres) on the Geet River at LR Plot Nos. 1901(P), Mouza - Pagrangbong (Sheet No. 9) J.L No.-17, Block- Kalimpong I1, District - Kalimpong, West Bengal.

Proposal No.:	**SIA/WB/MIN/513731/2024**
Project Proponent:	**Samim Ahmed**
Environmental Consultant:	**M/s. Palle Business House.**

Activity:

- This is a proposal for Pagrangbong Sand & Boulder Mine over an area of 1.01 Ha (2.50 Acres) on the Geet River at LR Plot Nos. 1901(P), Mouza - Pagrangbong (Sheet No. 9) J.L No.-17, Block- Kalimpong I1, District - Kalimpong, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 23.11.2018 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has obtained EC issued by DEIAA vide Memo No. 360/GEN dated 30.11.2018**.**
- **The PP has not uploaded copy of LoI from the competent authority**.
- **The PP has received lease deed for the project for a period of 5 (five) years from 10.12.2018**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**
- **The PP has not submitted the requisite EC processing fees** as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 06.12.2024.
- The PP was called for the EC presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.

  The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

1.2) Terms of Reference:

1.2.1) Mining of Minerals :

I. Proposed Katna Sand Mine (Sand Block No.: 0117DR007) over an area of 1.87 ha (4.62 Acres) on the river Dwarakeswar at Plot No. - 1047, J.L. No.- 79, Mouza - Katna, P.S.- Bishnupur, District - Bankura, West Bengal.

Proposal No.: **SIA/WB/MIN/513091/2024**
Project Proponent: **Shri Bikash Mitra**
Environmental Consultant: **M/s. Palle Business House.**

Activity:

- This is a proposal for Katna Sand Mine (Sand Block No.: 0117DR007) over an area of 1.87 ha (4.62 Acres) on the river Dwarakeswar at Plot No. - 1047, J.L. No.- 79, Mouza - Katna, P.S.- Bishnupur, District - Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DW_BSP_16.**
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The revised Plan has been approved by the State Government on 30.04.2024 and the approved mine plan has been uploaded at the PARIVESH portal by the PP.
- The reserves and year wise production details as mentioned in the Mining Plan is given below :-

Geological resource of the mine

YEAR	Total Area (m2)	Thickness (m)	REPLENISHMENT RATE (%)	GEOLOGICAL RESOURCE(m3)
1st	18700	2.5	--	46750
2nd	18700	1.955	78.20	36558.50
3rd	18700	1.955	78.20	36558.50
4th	18700	1.955	78.20	36558.50
5th	18700	1.955	78.20	36558.50
Total Geological Resource				192984

Year wise tentative Mineable Reserve of the sand deposit

YEAR	Mineable Area (ha)	Mineable Area (m2)	Replenishment Rate (%)	Average thickness (m)	Production (cum/m3)	Production (CFT/ft3) (1 cum = 35.315 CFT)
1st	1.34	13430.91	--	2.5	33577.275	1185770.276
2nd	1.34	13430.91	78.20	1.955	26257.429	927272.354
3rd	1.34	13430.91	78.20	1.955	26257.429	927272.354
4th	1.34	13430.91	78.20	1.955	26257.429	927272.354
5th	1.34	13430.91	78.20	1.955	26257.429	927272.354
TOTAL					**138606.991 m3**	**4894859.692 CFT**

- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has uploaded valid LoI from the competent authority.
- The **PP has not uploaded cluster certificate** from the competent authority**.**

Chronology of Events

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 04.12.2024.
- The PP was called for the ToR presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the Mine Plan uploaded by the PP, **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. Therefore, the SEAC **recommended** issuance of **Standard Terms of Reference** for EIA preparation for the project with the following additional conditions :-

  1) Cluster Certificate from the competent authority.
  2) The potential impact study in the EIA should be done considering the cumulative effect of all the mines in the cluster situation, if any.
  3) Surface and ground water hydrology should be included in the EIA report.
  4) Drone videography of the entire project area explicitly showing the entire project site along with the existing tree plantation/green belt. Minimum 2 minute video to be submitted.
  5) Photographs of the site mentioning the geo-coordinates.
  6) Standard practice of management of the intermediate storage area should be submitted.
  7) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
  8) A plan on the management and handling of sand during the period of intermediate stockpiling should be submitted.
  9) The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation. A Progressive Greenbelt Plan may be prepared. The project area being entirely on the riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region. Spatial year wise progressive plantation programme to be submitted.
  10) Plan showing spatial year wise distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.

11) EIA should also include detailed study of the baseline condition and impact on aquatic flora and fauna.

12) The project cost may include the auction bid value, estimated royalty to be paid, cost of any infrastructure built like office space, stockyard, etc. The calculation/documents to estimate the project cost should be submitted. The planned expenditure for components like need-based activities may be derived based on the project cost.

13) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc) may also be uploaded. Evidence of the activities should be provided by photographs with geo-coordinates. The activities should be completed within the first two years of the project life.

14) A study report on base flow level measured at 5 points with date and supporting photographs should be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

15) Management plan including the final closure plan of haul road to be submitted.

16) Study and protection plan of the aquatic life available both during the mining and non-mining seasons should be provided.

The PP shall, – while applying for environmental clearance, upload in the PARIVESH portal, the EIA/EMP report along with the documents/ submissions/ clarifications sought above.

All the documents should be duly signed both by the project proponent and the environmental consultant.

II. Proposed Lalitapur Sand Mine (MDTNB-5) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 973(P), 1061(P), JL No. 95, Mouza – Lalitapur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

Proposal No.:	**SIA/WB/MIN/513746/2024**
Project Proponent:	**Shri Rajkishore Mahapatra**
Environmental Consultant:	**Not engaged.**

Activity:

- This is a proposal for Lalitapur Sand Mine (MDTNB-5) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 973(P), 1061(P), JL No. 95, Mouza – Lalitapur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP and the approved plan has been uploaded at the PARIVESH portal by the PP. **However, the Mine Plan has not endorsed by the competent authority.**
- **The PP has not uploaded pre-feasibility report for the proposed project**.
- The PP has obtained EC issued by DEIAA vide Memo No. 59(5)/DEIAA/2016 dated 11.10.2016.
- The PP has uploaded copy of LoI dated 24.07.2018 for the project.

- The **PP has not uploaded cluster certificate** from the competent authority**.**

Chronology of Events

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 06.12.2024.
- The PP was called for the ToR presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

III. Proposed Hashimpur Sand Mine (MDTNB-13) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

Proposal No.:	**SIA/WB/MIN/513728/2024**
Project Proponent:	**Kalyani Mahapatra**
Environmental Consultant:	**Not engaged.**

Activity:

- This is a proposal for Hashimpur Sand Mine (MDTNB-13) over an area of 5 ha (12.35 acres) on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP and the approved plan has been uploaded at the PARIVESH portal by the PP. **However, the date of the Mine Plan is not legible**.
- **The PP has not uploaded pre-feasibility report for the proposed project.**
- The PP has obtained EC issued by DEIAA vide Memo No. 40(27)/SAND/DEIAA/2016 dated 07.11.2017.
- The PP has uploaded the copy of LoI dated 08.08.2017.
- **The PP has received lease deed for the project for a period of 5 (five) years from 10.11.2017**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**

Chronology of Events

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 06.12.2024.
- The PP was called for the ToR presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.11.2024.

SEAC Observations and Recommendations:

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

IV. Proposed Hasimpur Sand Mine (MDTNB-14) over an area of 3.6 ha on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.

Proposal No.:	**SIA/WB/MIN/513753/2024**
Project Proponent:	**Ankush Arora**
Environmental Consultant:	**Not engaged.**

Activity:

- This is a proposal for Hasimpur Sand Mine (MDTNB-14) over an area of 3.6 ha on the Subarnarekha river at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal.
- **The PP has not uploaded the approved 'Mining Plan' for the project.**
- **The PP has not uploaded pre-feasibility report for the proposed project.**
- The PP has obtained EC issued by DEIAA vide Memo No. 42(12)/SAND/DEIAA/2016 dated 15.12.2017.
- The PP has uploaded the copy of LoI dated 17.08.2017.
- **The PP has received lease deed for the project for a period of 5 (five) years from 10.02.2018**.
- The **PP has not uploaded cluster certificate** from the competent authority**.**

Chronology of Events

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 06.12.2024.
- The PP was called for the ToR presentation in the 56th meeting SEAC, WB (2023-2026) held on 18.11.2024.

SEAC Observations and Recommendations:

- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The SEAC will further consider the case on submission of satisfactory reply only through "PARIVESH" portal.

1.2.2) Industry Sector :

1) Proposed Installation of 4x6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill at Plot No. 356, 391, J.L. No. 44, Mouza - Chapabandi, P.S. - Faridpur (Laudoha), PIN – 713 363, Distt. Paschim Bardhaman, West Bengal.

Proposal No.: **SIA/WB/IND1/500930/2024**
Project Proponent: **M/s. JKC Steel Private Limited.**
Environmental Consultant: **M/s. Envirocheck.**

Activities:

- This is a proposal for installation of 4 x 6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill.

Salient Features of the project:

- Salient features of the proposed project as uploaded by the Project Proponent (PP) in the PARIVESH portal is as below –

Project Name	Installation of 4x6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill.
Project Location	Plot No. 356, 391, J.L. No. 44, Mouza - Chapabandi, P.S. - Faridpur (Laudoha), PIN – 713 363, Distt. Paschim Bardhaman, West Bengal.
Land area	6.36 acres (25738 sqm).
Greenbelt	33% of the total area i.e., 8579 sqm.
Land Use of Project Site	

	Area in sqm.	**Area in %**
Guard Room 1,2	20	0.078
Weigh Bridge	72	0.28
Scale room	9	0.035
Office Building	166	0.64
Rest Room	16	0.062
Septic tank and soak pit	3	0.012
Occupational health center	15	0.058
Toilet	25	0.097
Fire water tank with pump house	28	0.11
Factory water reservoir	400	1.55
Furnace shed	1653.75	6.43
Electric building	155	0.60
D G Shed	23.56	0.09
LTS Shed	1000	3.88
Rolling Shed	4400	17.1
Shed	1920	7.5
Stockyard	500	1.94
Road	3454.69	13.42
Plantation Area (Greenbelt)	8579	33.33

<table>
<tr><td></td><td>
<table>
<tr><td>Vacant land area</td><td>3298</td><td>12.81</td></tr>
<tr><td>Total Area</td><td>25738</td><td>100</td></tr>
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</td></tr>
<tr><td>Production Capacity</td><td>
<table>
<tr><td></td><td>Project under construction (obtained CTE)</td><td>Subsequent addition</td></tr>
<tr><td>Induction Furnace</td><td>--</td><td>4 no 6MT</td></tr>
<tr><td>M.S. Billets</td><td>--</td><td>80640 Tonnes/ Annum</td></tr>
<tr><td>Vertical Caster</td><td>--</td><td>6 Nos</td></tr>
<tr><td>Gas Fired Reheat</td><td>--</td><td>20 MT / Hr</td></tr>
<tr><td>Furnace</td><td></td><td></td></tr>
<tr><td>Rolling mill</td><td>--</td><td>84,000 Tonnes/ Annum</td></tr>
<tr><td>Wire Mill (Bull Block)</td><td>2640 Tonnes/Annum (02 sets)</td><td>9012 Tonnes/Annum (02 sets)</td></tr>
<tr><td>Wire Mill (Fine Machine)</td><td>1800 Tonnes/Annum (04 sets)</td><td>1704 Tonnes/Annum (02 sets)</td></tr>
<tr><td>Nail making machines</td><td>840 Tonnes/Annum (04 sets)</td><td>1992 Tonnes/Annum (06 sets)</td></tr>
<tr><td>Bolt Making Machine</td><td>--</td><td>4369 Tonnes/Annum (02 sets)</td></tr>
<tr><td>Wire mesh making machine</td><td>--</td><td>1752 Tonnes/Annum (01 sets)</td></tr>
<tr><td>Ribbed wire making machine (Torkari)</td><td>2160 Tonnes/Annum (01 set)</td><td>--</td></tr>
</table>
</td></tr>
<tr><td>Raw material Details</td><td>Sponge Iron - 74148.219 TPA
Pig Iron - 11975.486 TPA
Scrap - 7983.657 TPA
MS Skull - 4989.786 TPA
Ferro Alloys - 698.570 TPA</td></tr>
<tr><td>Man Power</td><td>66 - Permanent
625 - Contract</td></tr>
<tr><td>Power supply</td><td>Existing – 4.5 MVA
Additional - 12 MVA
Power From DVC</td></tr>
<tr><td>Back-up Power</td><td>1 no. 160 KVA</td></tr>
<tr><td>Project cost</td><td>Rs.10825.91 Lakhs</td></tr>
<tr><td>Central Latitude & Longitude</td><td>latitude and longitude 23°37'22.40"N, 87°16'42.77"E</td></tr>
</table>

Water demand and supply	Existing - 2 KLD Additional - 110 KLD Total 112 KLD
Source	Ground water

Chronology of the Events:

- Earlier the PP had obtained Consent to Establish (NOC) vide CTE No. WBPCB/292768/2021 dated 01.05.2024 for 23 swg binding wire (production capacity 150 MT/Month), 5.5 mm Ribbed wire (production capacity 180 MT/Month), Nails (production capacity 70 MT/Month) which is valid upto 31.03.2031.
- The PP applied in prescribed format for Terms of Reference for the expansion project and uploaded the application in the PARIVESH portal on 19.10.2024.
- The PP was called for the ToR presentation in the 51st meeting of the SEAC, WB (2023-2026) held on 30.10.2024.
- The PP did not appear before the SEAC for ToR presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting.
- The PP submitted their reply on 02.12.2024 requesting to present their proposal. The PP was once again called for EC presentation in the 55th meeting SEAC, WB (2023-2026) held on 11.12.2024 and the PP presented their proposal in this meeting.
- The PP was once again called for the ToR presentation in the 51[6th] meeting of the SEAC, WB (2023-2026) held on 18.12.2024 and the PP present their ToR proposal in this meeting.

SEAC Observations and Recommendations:

- Based on the presentation made by the PP/Consultant, the SEAC observed that the project site lies within close proximity of Durgapur Municipal Corporation, which is declared as Severely Polluted Area. Hence the PP is requested to submit authenticated documents from the competent authority showing the distance of the project from the nearest boundary of Durgapur Municipal Corporation.

  The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

  All the documents should be duly signed both by the project proponent and the environmental consultant.

  The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

1.2.3) Construction Sector :

I. Proposed expansion of Housing Complex at Dag No. 11, 12, 13, 16,17, 18, 19, 21, 24, 25, 26, 51, 52, 53, 54, 55, 56, 57, 58, 67, 87, 88, 89, 96, 97, 98, 99 in Mouza - Daulatpur,

J.L. No. – 79, and Dag No. 709 in Mouza - Hanspukuria, JL No.-120, Block - Bishnupur-I, Under Kulerdari Gram Panchayat, Dist. - South 24 Parganas, West Bengal.

Proposal No.: **SIA/WB/INFRA2/513384/2024**
Project Proponent: **M/s. DTC Projects Private Limited.**
Environmental Consultant: **M/s. ULTRA-TECH.**

Activities:

- This is a proposal for vertical expansion in phase 2 Towers by adding two floors in each Tower and new addition of phase 3 portion by which the total Built Up Area will be 326454 Sqm.

The expansion will be as below -

	As per latest EC	**Current Proposal**
Land Area	79500 Sqm.	81321 Sqm.
1. For Phase 1	**Block-1, 1A, 2, 3** : G+12, **Block - 4 to 23** : G+12 (5 nos.), G+14 (7 nos.) & B+G+14 (7 nos.) with club house G+2 (Total Block no. 23)	**Block- 1, 1A ,2, 3** : G+12, **Block-4 to 23** : G+12 (5 nos.), G+14 (7 nos.) & B+G+14 (7 nos.) with club house G+2 (Total Block no. 23)
2. For Phase 2	Tower- A1: G+19, Tower - A2, A3, A4, B3, B4, C3 : B+G+2P +17 Tower - B1, B2, C1, C2: G+2P+17 (Total Tower no. 11)	Tower- A1: G + 21 Tower - A2, A3, A4, B3, B4, C3 : B+G+2P +19 Tower - B1, B2, C1, C2 : G+2P+19 (Total Tower no. 11)
3. For Phase 3	--	Tower D1: G+P+20
Built Up Area	**293442 Sqm.**	**326454 Sqm.**

Salient Features of the project:

- Salient features of the proposed expansion project as uploaded by the PP in the PARIVESH portal is as below–

Features	**Existing Capacity as per EC issued by SEIAA vide EN/T-II-1/401/2023 dated 22/01/2024**	**Proposed Expansion & Modified Capacity & Quantity**	**Total After expansion Capacity & Quantity (Existing + Proposed)**
Land area (as per Record)	79500 Sqm	1821 Sqm	81321 Sqm/8.13 Ha
Expected Population	15540 (Residential - 13230, Others - 2310) Persons	1228 (Residential - 1144, Others -84) Persons	16768 (Residential - 14374, Others - 2394) Persons
No. of Flats	2367 Nos.	192 Nos.	2559 Nos.
No. of storey	Phase 1: Residential Complex Block-1, 1A, 2,3: G+12, Block-4 to 23- G+12(5nos), G+14(7 nos.) & B+G+14(7 nos.) with club house G+2	Phase 2 : Tower A1(G + 21), A2(B+G+2P +19), A3(B+G+2P +19) & A4(B+G+2P +19)	Phase 1: Residential Complex Block-1, 1A, 2,3: G+12, Block-4 to 23- G+12(5nos), G+14(7 nos) & B+G+14(7 nos) with club house G+2

Features	Existing Capacity as per EC issued by SEIAA vide EN/T-II-1/401/2023 dated 22/01/2024	Proposed Expansion & Modified Capacity & Quantity	Total After expansion Capacity & Quantity (Existing + Proposed)
	Phase 2 : Tower A1, A2, A3 & A4 Tower B1, B2, B3 & B4 Tower C1, C2 & C3	Tower B1(G+2P+19), B2(G+2P+19), B3(B+G+2P+19) & B4(B+G+2P+19) Tower C1, C2 & C3 Phase 3: Tower D1(G+P+20)	Phase 2 : Tower A1(G + 21), A2(B+G+2P +19), A3(B+G+2P +19) & A4(B+G+2P +19) Tower B1(G+2P+19), B2(G+2P+19), B3(B+G+2P+19) & B4(B+G+2P+19) Tower C1, C2 & C3 Phase 3: Tower D1(G+P+20)
Latitude & Longitude	22°26'24.88"N, 88°17'54.58"E		
Total Water requirement (as per NBC, 2016)	1848 KLD	136 KLD	1984 KLD
Fresh Water requirement	1228 KLD	104 KLD	1332 KLD
Wastewater Generation	1370 KLD	165 KLD	1535 KLD
Treated Wastewater Discharge	736 KLD (In Non-Monsoon Season) 881 KLD (In Monsoon Season) after recycling to Panchayat Drain	132 KLD (In Non-Monsoon Season) 57 KLD (In Monsoon Season) after recycling to Panchayat Drain	868 KLD (In Non-Monsoon Season) 938 KLD (In Monsoon Season) after recycling to Panchayat Drain
Treated Wastewater Recycled	620 KLD	32 KLD	652 KLD
Solid Waste Generation & Discharge (operational phase)	Total-6109 Kg/day Biodegradable-2444 Kg/day Non-Biodegradable-3665 Kg/day	Total-599 Kg/day Biodegradable-239 Kg/day Non-Biodegradable-360 Kg/day	Total-6708 Kg/day Biodegradable-2683 Kg/day Non-Biodegradable-4025 Kg/day
Total Built-up area	**293442 Sqm**	**33012 Sqm.**	**326454 Sqm.**
Ground Coverage	*Phase 1 - 13804 Sqm* *Phase 2 -13725 Sqm* *Phase 3 -3030 Sqm*	*Phase 2 -13829 Sqm* *Phase 3 - 2734 Sqm*	*Phase 1 -13804 Sqm* *Phase 2 -13829 Sqm* *Phase 3 - 2734 Sqm*
Service Area	*Phase 1 -1330 Sqm* *Phase 2 -410 Sqm* *Phase 3 -180 Sqm*	*Phase 2 -1350 Sqm* *Phase 3 - 210 Sqm*	*Phase 1 - 1331 Sqm* *Phase 2 -1350 Sqm* *Phase 3 - 210 Sqm*
Paved Area	*Phase 1 - 5260 Sqm* *Phase 2 -693 Sqm* *Phase 3 -2500 Sqm*	*Phase 2 -1774 Sqm* *Phase 3 -773 Sqm*	*Phase 1 -5260 Sqm* *Phase 2 -1774 Sqm* *Phase 3 -773 Sqm*
Road Area	*Phase 1 - 12821 Sqm* *Phase 2 -4744 Sqm* *Phase 3 -2000 Sqm*	*Phase 2 -6254Sqm* *Phase 3 -1241 Sqm*	*Phase 1 -12821 Sqm* *Phase 2 -6254Sqm* *Phase 3 -1241 Sqm*
Open Parking Area	*Phase 1 - 2072 Sqm* *Phase 2 - .....* *Phase 3 -125 Sqm*	*Phase 2 - 50 Sqm* *Phase 3 -388 Sqm*	*Phase 1 -2073 Sqm* *Phase 2 - 50* *Phase 3 -388 Sqm*
Exclusive Green Area	*Phase 1 -5454 Sqm* *Phase 2 -7970 Sqm*	*Phase 2 -8983 Sqm* *Phase 3 - 2286 Sqm*	*Phase 1 -5454 Sqm* *Phase 2 -8983 Sqm*

Features	Existing Capacity as per EC issued by SEIAA vide EN/T-II-1/401/2023 dated 22/01/2024	Proposed Expansion & Modified Capacity & Quantity	Total After expansion Capacity & Quantity (Existing + Proposed)
	Phase 3 -2676 Sqm		*Phase 3 - 2286 Sqm*
Water body Area (Proposed)	*Phase 1 - .....* *Phase 2 - 18 Sqm* *Phase 3 - .....*	*Phase 2 - 18 Sqm* *Phase 3 - .....*	*Phase 1 - .....* *Phase 2 - 18 Sqm* *Phase 3 - .....*
Water Body/Pond	*Phase 1 - .....* *Phase 2 - 688 Sqm* *Phase 3 - .....*	*Phase 2 - 688 Sqm* *Phase 3 - .....*	*Phase 1 - .....* *Phase 2 - 688 Sqm* *Phase 3 -.....*
Total No. of plantation proposed	1134 nos (Phase -1, 2 & 3)	194	1328
No. of Solar lights proposed	--	--	--
Use of Solar Power	87 KW (P) (More than 1%) –Will be transferred to Grid	80 KW (P)	150 KW (P)
No. of Parking spaces proposed	Required: 1940 Provided: 2357	Required: Phase 1: 1152 Phase 2 & 3: 966 Provided: (Phase 1: 1234 Phase 2 & 3: 1169)	Total Required Car parking : 2118 Total Provided Car parking: 2403
Total Power requirement	8449 KW	Phase 2 & 3: 7354 KW	Phase 1, 2, 3 : 14092 KW
Backup Power	2X380 KVA 1X625 KVA 2X500KVA 2X320 KVA	2 X 500 KVA 2 X 320 KVA	2 X 380 KVA 2 X 625 KVA 2 X 500 KVA 2 X 320 KVA
Total project cost (Rs.)	Rs.27549.79 Lakhs for (phase-1) Rs.23100 Lakhs for (phase-2)		

Chronology of the Events:

- Earlier the PP has obtained Environmental Clearance vide No. 3230/EN/T-II-1/019/2017 dated 27.09.2018 for Phase-1 and vide EC Identification no EC24B039WB114014 dated 22/01/2024 for its phase 1 & 2 consisting of total Built Up Area 293442 Sqm.
- The PP has applied in prescribed format for the vertical expansion of the existing project for Terms of Reference and uploaded their proposal in the PARIVESH portal on 06.12.2024.
- The PP was called for the ToR presentation in the 56th meeting of the SEAC, WB (2023-2026) held on 18.12.2024 and the PP presented their proposal in this meeting.

SEAC Observations and Recommendations:

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) The area statement submitted by the PP is misleading. Revised land use statement for the project showing the exact area and percentage of the total area should be submitted as revised salient features. A break up of the expected population vis-a vis the number of flats should be submitted.
2) According to the expected population, the project appears to be a township project. Hence the open area, playground should be provided accordingly.
3) Since a huge quantity of water will be extracted, a detailed hydrogeological study should be provided.
4) STP water from the previous phase should be used for construction of the second phase.
5) Land Use Compatibility Plan for the project.
6) Compliance of earlier need-based activities given in the ECs dated 27.09.2018 and 22/01/2024 should be submitted. Evidence should be provided by photograph with date and time and certificate from the beneficiaries.
7) An impact report of nearby livelihood.
8) An investigation may be done to study the impact caused by the expansion on the eco-environment of the area over 5-6 years viz, excessive traffic emission, air and noise pollution, meteorological fluctuations with the surroundings.

Water and waste water

9) A detail hydrogeological study should be conducted. The amount of groundwater recharging in and discharging from the project area will have to be calculated. If the recharge is less than the discharge then a management plan to counter the extra withdrawal will have to be stated. A report on groundwater quality in and around the project area will also have to be submitted

Recommendation : SEAC, taking into account the salient features of the proposed project, recommended that **Terms of Reference may be issued for EIA study of the proposed project. In addition to the standard ToR** the above additional terms/ conditions may be made a part of the ToR. Status of the compliance of the conditions stipulated may be furnished along with the application for Environmental Clearance application.

1.3) Environmental Clearance:

1.3.1) Construction Sector :

I. Proposed Residential Complex at Premises no. – 82/1, B. L. Saha Road (Being a Portion of 82, B. L. Saha), Ward No. – 117, Borough – XIII, under KMC, P.S. – Behala, Kolkata – 700053, West Bengal.

Proposal No.:	**SIA/WB/INFRA2/513127/2024**
Project Proponent:	**M/s. Godrej Properties Limited.**
Environmental Consultant:	**M/s. ULTRA-TECH.**

Activities:

- This is a proposal for development of a Residential Complex of comprising of Block – 1 (Tower- 1, 2, 3, & 4) G+P+20 storied and Block – 2 Club / assembly G+3 storied having land area of 30108.61 sqm. and built up area of 112012.539 sq.m consisting of 482 nos. of flats.

Salient Features of the project:

- Salient features of the proposed project as uploaded by the PP in the PARIVESH portal is as below–

Area of Land (As Per Documents & Boundary Declaration)	30108.61 sqm.
Land area after deducting gifts, corner splay, etc.	28781.90 sqm (100%)
Pond Area	3237.51 sqm (11.25%)
Area of Land excluding pond	25544.39 sqm
Ground Coverage Area	14106.273 sqm (49.01%)
Service Area	539.680 sqm (1.88 %)
Paved Area	5788.985 sqm (20.11%)
Exclusive Tree Plantation Area	5109.45 sqm (17.75%) [(20.00 % of 25544.39 sq.m (as pond area more than 10% of land area)]
No. of stories	Residential Complex – Block – 1 (Tower- 1,2,3, & 4) G+P+20 storied Block – 2 Club/assembly G+3 storied
No. of Tenements	482 nos. (3 BHK – 325, 4 BHK – 157)
Total Built-up Area	**112012.539 sqm**
Total Construction Area (TBA + Area for fees)	**116473.889 sqm (112012.539 + 4461.350) sqm**
Total Population During Operation	3445 persons (Fixed – 3049, Floating – 365, Service – 31)
Total Population During Construction	904 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	565 KLD (non-monsoon season) 523 KLD (monsoon season)
Quantity of Wastewater Generation	419 KLD
Treated Wastewater Recycled	220 KLD (non-monsoon season) 178 KLD (monsoon season)
Quantity of Wastewater Discharge	199 KLD (non-monsoon season) 241 KLD (monsoon season)
Quantum of Fresh Water required	345 KLD
Quantity of Solid Waste Generation	1610 kg/day(operational phase)

	181 kg/day (construction phase)
Constructional phase Water Demand	74 KLD (63 KLD for workers and 11 KLD for construction work)
Electrical Load	4038 KVA (4652 KW)
Electricity Supplied By	CESC
Solar Capacity	56 KW (More than 1 % of Electrical Load)
D.G. Sets	2 nos. 625 KVA
Parking Required	613 Nos.
Parking Provided	1095 Nos. [Ground Floor – 491 Nos., Podium – 430 Nos., 1st floor – 174 Nos.]
Total no. of Trees	Total trees – 463 nos. (Nos. of existing trees to be retained – 38 Nos. and Nos. of proposed plantation – 425 Nos.) Existing trees to be cut – 36 Nos.
Latitude & Longitude of site	22°30'2.71"N, 88°20'21.34"E
Max. Height of the Building	69.90 M
Project Cost (Rs.)	Rs.7,33,00,00,000.00

Chronology of the Events:

- The PP has applied in prescribed format for the proposed project for Environmental Clearance and uploaded their proposal in the PARIVESH portal on 11.11.2024.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.
- The PP was called for the EC presentation in the 56th meeting of the SEAC, WB (2023-2026) held on 18.12.2024 and the PP presented their proposal in this meeting.

SEAC Observations and Recommendations:

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) Land use statement for the project sanctioned by KMC.
2) The capacity of STP mentioned in the DFO approved plan is 450 KLD while in the sanctioned plan it is given as 460 KLD. Necessary clarification should be provided.
3) Section of solar panel layout.

Miscellaneous

4) The PP shall install the following :-
   a) Solar smart meter for recording generation.
   b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.
   c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality. The STP flow sheet should be modified to show the liquid part of the sludge dewatering system directed to the equalization tank using the arrows properly.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Area of plantation should not be too close to the constructed area to avoid interference of the roots.

h) Elevation of the solar panels to show.

i) Power savings calculations based on the microclimate study and provision of shade-bearing plants where needed should be highlighted.

j) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

5) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

6) Instead of felling down all those 36 trees as proposed, attempts should be made to relocate those as many as possible, especially those two plant spp like Artocarpus lackuchha and Dimecarpus longan

7) Photographs of the existing plantations on the ground with geo coordinates.

8) Final disposal plan of surplus treated effluent and non-bio degradable.

Need-Based EMP

9) Revised Need based activities should be based on the demands of the locality indicating the beneficiaries involved. Correspondence with the potential beneficiaries should be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

II. Proposed Residential cum Mercantile (Retail) Buildings at Premises No. – 4, Thackeray Road, Alipore under KMC, Ward No. – 74, Borough – IX, P.S. – Alipore, Kolkata – 700027.

Proposal No.:	**SIA/WB/INFRA2/512563/2024**
Project Proponent:	**M/s. Palladium Constructions Private Limited.**
Environmental Consultant:	**M/s. Ultra-Tech.**

Activities:

- This is a proposal for Residential cum Commercial Complex comprising of 4 nos. Residential Towers – B+SB+G+24 stories with Commercial in Sub-Basement, Ground Floor and 1st Floors. Total land area of the project is 22143.26 sqm. and total built up area is 111450.14 sqm. Total no. of tenements - 160 nos.

Salient Features of the project:

- Salient features of the proposed project as uploaded by the PP in the PARIVESH portal is as below–

Land area	22143.26 sqm
Ground Coverage	10510.27sqm (47.465% of land area)
Service Area	587.37 sqm (2.653% of land area)
Road area above extended basement	4254.23 sqm (19.212% of land area)
Exclusive Road Area	2125.64 sqm (9.599% of land area)
Exclusive Tree Plantation Area	4434.04 sqm (20.024% of land area)
Landscape area above basement	231.71 sqm (1.046% of land area)
No. of stories	4 nos. Residential Towers – B+SB+G+24 stories with Commercial in Sub-basement, Ground Floor and 1st Floors
No. of Tenements	160 nos. (3 BHK – 60, 4 BHK– 80, 5 BHK – 20)
Total Built-up area	111450.14 sqm
Total Population During Operation	5049 (Fixed – 1447, Floating – 3587, Service – 15) persons
Total Population During Construction	1000 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	330 KLD
Quantity of Wastewater Generation	189KLD
Treated Wastewater Recycled	172 KLD (to be used in landscaping, flushing, yard washing, HVAC & car washing)
Quantity of Wastewater Discharge	17 KLD
Quantum of Fresh Water required	158 KLD
Quantity of Solid Waste Generation	1100 kg/day (operational phase) 200 kg/day (construction phase)
Constructional phase Water Demand	81 KLD (70 KLD for workers and 11 KLD for construction work)
Electrical Load	3520 KVA (2816 KW)
Electricity Supplied By	CESC
D.G. Sets	2 nos. 2000 KVA, 1 no. 1250 and 1 no. 750 KVA
Parking Required	862 nos.
Parking Provided	1006 nos. (Basement level – 222 nos., Sub-basement level – 208 nos., Ground floor level – 52 nos., 1st floor level – 44 nos., 2nd floor level – 240 nos., 3rd floor level – 240 nos.)
Total no. of Trees	Total trees – 278 nos. (Total nos. of existing trees to be retained – 22 nos. and total nos. of proposed plantation – 256 nos.), Trees to be cut – 11 nos.
Latitude & Longitude of site	22°31'.41.3"N, 88°20'22.7"E
Max. Height of the Building	96.85 m
Total project cost (Rs.)	Rs.631.00 Crores

Chronology of the Events:

- The PP has applied in prescribed format for the proposed project for Environmental Clearance and uploaded the proposal in the PARIVESH portal on 04.12.2024.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.
- The PP was called for the EC presentation in the 56th meeting of the SEAC, WB (2023-2026) held on 18.12.2024 and the PP presented their proposal in this meeting.

SEAC Observations and Recommendations:

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory Documents

1) Compliance with the West Bengal Energy Conservation Building Code (ECBC) 2020 of Bureau of Energy Efficiency shall be ensured as per notification no. 07-PO/O/C-III/4M-14/2016 (Part-I) dated 13th January, 2020. A WBECBC compliance report and certificate has to be provided.
2) An exhaustive study on birds, small animals and the local biodiversity along with the possible impact of the proposed project on them. A conservation plan for the endangered species, if any, should also be submitted.
3) While submitting the land use plan within the project area, the details (exact width) of underground service lines including fire, electrical, sewerage and drainage should be depicted with a different colour in order to assess that the area required for exclusive tree plantation does not overlap with these underground service lines. The plan should be certified by the project architect.
4) It is observed that the round about shown in the sanction plan is encroaching upon the mandatory tree plantation area marked in the DFO approved plantation plan. Revised documents in this regard should be submitted.
5) Necessary documents may be furnished as an evidence of ECBC compliance.
6) Use of energy efficient equipment, hybrid equipment, discreet connected sensors to keep the track of lighting, airflow, noise and security may be thought of
7) In stead of felling down proposed 11 trees, attempts should be made to translocate them as per practicability.
8) Disposal plan for construction waste generated and surplus treated sewage.
9) Details of bird friendly design of windows and glazed surface of the buildings.
10) Shadow free area and its utilization details may be submitted.

Water and waste water

11) A report on the impact of basement on the shallow groundwater should be submitted.

Need-Based EMP

12) Revised Need based activities should be based on the demands of the locality indicating the beneficiaries involved.

Miscellaneous

13) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

14) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

III. Proposed expansion of Residential Complex at Mouza – Raigachi, J.L. No. – 12, R.S. / L.R. Dag No. – 918 (P), 918 / 1534, 919, 923, 928 (P), 929 (P) & 931 (P), L.R. Khatian No. – 2074 to 2103, P.O. & P.S. – Rajarhat, under Rajarhat-Bishnupur No. 1 Gram Panchayat, Dist - 24 Parganas (N), Pin Code - 700135.

Proposal No.: **SIA/WB/INFRA2/513117/2024**
Project Proponent: **M/s. Loharuka Projects Private Limited.**
Environmental Consultant: **M/s. Centre for Sustainable Development.**

Activities:

- This is a proposal for vertical expansion of an ongoing development of a residential complex comprising of three residential blocks.

The expansion will be as below -

	Existing Phase I - Environmental Clearance vide Memo No.- 1003/EN/T-II-1/013/2019 dated 30/06/2021	**Proposed expansion Phase II**	**Total Project (Existing + Expansion)**
Land Area (As per physical survey)	6623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.

No. of blocks	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C - G+13 storied	Vertical expansion of Block B & C to G+14 storied.	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C - G+14 storied
No. of Flats	216 nos.	12 nos.	228 nos.
Built Up Area	**22,706.695 sq.m**	**5156.111 sq.m**	**27,862.806 sq.m**

Salient Features of the project:

- Salient features of the project uploaded in the PARIVESH portal is as below –

	Existing Phase I - Environmental Clearance vide Memo No.- 1003/EN/T-II 1/013/2019 dated 30/06/2021	***Proposed expansion Phase II***	***Total Project (Existing + Expansion)***
Land Area (As per land deed)	--	171.24 decimal i.e. 6,929.779 sq.m.	171.24 decimal i.e. 6,929.779 sq.m.
Land Area as per Mutation	--	169.64 decimal i.e. 6,865.03 sq.m.	169.64 decimal i.e. 6,865.03 sq.m.
Land Area (As per physical survey)	6623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.	163.678 decimal i.e. 6,623.775 sq.m.
No. of Flats	216 nos.	12 nos.	228 nos.
No. of Blocks	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C - G+13 storied	Vertical expansion of Block B & C to G+14 storied.	Total Residential Blocks- 3 nos. Block A – G+12 storied Block B & C- G+14 storied
Block Usage	Residential Buildings	Residential Buildings	Residential Buildings
Expected Population (persons)	Tota 1338 persons	Tota 74 persons	Tota 1412 persons
Total Water Requirement (Operation Stage)	179 kLD	--	175 kLD
Freshwater Requirement	110 kLD (Groundwater abstraction)	--	96 kLD (Groundwater abstraction)
Wastewater Generated	132 kLD (to be treated in STP)	--	124 kLD
Treated Wastewater Generated	129 kLD	--	122 kLD
Treated Wastewater Recycled	65 kLD (landscaping, road cleaning & dual plumbing)	--	75 kLD(landscaping, road cleaning, filter backwash & dual plumbing)
Treated Wastewater Discharged	65 kLD (Municipal drain after treatment in STP)	--	47kLD
Solid Waste Disposal	0.37 tonne/day (to be disposed off through Panchayat & Onsite mechanical composting)	--	390 kg/day or 0.39 tonne/day (to be disposed off through Panchayat & Onsite mechanical composting)
Built Up Area	**22,706.695 sq.m**	**5156.111 sq.m**	**27,862.806 sq.m**
Ground Coverage Area	2176.373 sq.m (32.857 %)	--	2176.373 sq.m (32.857 %)
Service Area	302.474 sq.m (4.566 %)	--	302.474 sq.m (4.566 %)
Internal Road Area	1236.775 sq.m (18.672 %)	--	1236.775 sq.m (18.672 %)
Green area for plantation	1338.147 sq.m (20.202 %)	--	1338.147 sq.m (20.202 %)

Grass Paved Area for Open parking	429.24 sq.m (6.48 %)	--	429.24 sq.m (6.48 %)
Transformer & D.G.	63.00 sq.m (0.951 %)	--	63.00 sq.m (0.951 %)
Soft Area	1018.007 sq.m (15.369 %)	--	1018.007 sq.m (15.369%)
Other Green Area	59.759 sq.m (0.902 %)	--	59.759 sq.m (0.902 %)
Total No. Of Plantation	Proposed Trees to be planted – 113 nos.	--	Proposed Trees to be planted – 113 nos.
No. of Parking Space Proposed	215 nos.	--	215 nos.
Total Power Requirement	798.10 kW, WBSEDCL.	--	877 kW, WBSEDCL.
Back Up Power	1 no. of 500 KVA DG set	--	1 no. of 500 KVA DG set
Solar Power Utilization	1% of total connected load will be generated through solar power.	--	1% of total requirement – 9 kW

Chronology of the Events:

- Earlier the project proponent (PP) had obtained Environmental Clearance vide Memo No.- 1003/EN/T-II 1/013/2019 dated 30/06/2021 in the name of M/s. AJNA COMMERCIAL PRIVATE LIMITED. The PP has submitted the present application changing their name from M/s. AJNA COMMERCIAL PRIVATE LIMITED to M/s. LOHARUKA PROJECTS PRIVATE LIMITED
- The PP has applied in prescribed format for Environmental Clearance for the expansion project and uploaded the proposal in the PARIVESH portal on 04.12.2024.
- The PP had submitted Certified Compliance Report (CCR) in accordance with the provisions of MoEF&CC O.M. F No. IA3-22/10/2022-IA.III[E 177258] dated 08.06.2022.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.
- The PP was called for the EC presentation in the 56th meeting of the SEAC, WB (2023-2026) held on 18.12.2024 and the PP presented their proposal in this meeting.

SEAC Observations and Recommendations:

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) In the comparative project details uploaded by the PP, the details of Block C is not mentioned in the item no. 5 in existing phase 1 and total project. Therefore, the statement appears to be misleading. Hence, the PP is requested to submit revised comparative statement in the portal.
2) The PP has submitted the present application changing their name from M/s. AJNA COMMERCIAL PRIVATE LIMITED to M/s. LOHARUKA PROJECTS PRIVATE LIMITED. Necessary documents for change of name of the PP should be provided.

Water and waste water

3) Although the built up area for the project is increasing, the water requirement has decreased. The PP should submit the reasons for such decrease in the water requirement. The entire calculation for the project should be based on NBC, 2016.

4) An undertaking for using the STP water of phase-I for the construction of Phase -II should be provided.

Miscellaneous

5) The PP shall install the following :-

   a) Solar smart meter for recording generation.

   b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

   c) It is observed that no trees have been planted yet even for Phase -I. Explanation/undertaking to be provided

   d) Sensor based water quality management system.

   e) STP with the digital data for inlet / outlet along with discharge quality.

   f) Ambient air quality monitoring station.

   g) Ambient noise quality monitoring station.

   h) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

   Plan in this regard to be submitted.

6) Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

7) An impact study report of nearby livelihood

8) An investigation is required to study the impact caused by the construction on the eco environment of the area viz traffic emission, air and noise pollution and meteorological fluctuations

9) Status of existing plantations with photographs and geo coordinates

10) Details of bird friendly design of windows and glazed surface of the project area.

11) For need -based activities, local under privileged schools should be considered instead of the reputed English medium school mentioned.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

2) RECONSIDERATION PROPOSALS:-

2.1) Environmental Clearance :

2.1.1) Construction Sector :

I. Proposed Residential Complex at Premises No. – 125, Buroshibtala Main Road, Kolkata Municipal Corporation Ward No. – 117, Borough No. – XIII, Kolkata – 700038.

Proposal No.: **SIA/WB/INFRA2/491852/2024**
Project Proponent: **M/s. SKDJ Sky Height LLP.**
Environmental Consultant: **M/s. Ultra-Tech.**

Activities:

- This is a proposal for Residential Complex comprising of One (1) Block of 3 interconnected Residential towers (Tower 1 - B+G+21, Tower 2 - B+G+15 & Tower 3 - B+G+21 Storied). Total Land Area of the project is 10270.02 sqm and total built up area is 36414.711 sqm. Total no. of flats 115 nos. (3 BHK – 24 nos., 4 BHK – 71 nos., 5 BHK – 20 nos.).

Salient Features of the project:

- Salient features of the project as uploaded by the PP in the PARIVESH portal is as below –

Total Land Area	10270.02 sqm (100 %)
Ground Coverage Area	4060.984 sqm (39.542%)
Service Area	186.39sqm (1.815%)
Paved Area	2270.633 sqm (22.109%)
Open Parking Area	639.01 sqm. (6.222%)
Green Area	2168.197 sqm (21.112%)
Other Landscape Area	337.78 sqm (3.29%)
Free gift Area	601.30 sqm (5.854%)
Corner Splay area	5.73 sqm (0.056%)
Total Built Up Area	**36414.711 sqm**
No. of Block & Storey	One (1) Block of 3 interconnected Residential towers: Tower 1- B+G+21 Tower 2- B+G+15 & Tower 3- B+G+21 Storied
No. of Dwelling units	115 nos. (3 BHK – 24 nos., 4 BHK – 71 nos.,5 BHK – 20 nos.)
Source of Water	KMC supply
Total Quantum of Water required	139 KLD
Quantity of Wastewater Generation	96 KLD
Quantity of treated wastewater recycled	43 KLD
Quantity of treated wastewater Discharge	53 KLD
Quantum of Fresh Water required	96 KLD
Quantity of Solid Waste Generation	410 kg/day
Constructional Phase Water Demand	24KLD (Construction work – 4 KLD, Workers –20 KLD)
Total Population During Construction	295 persons
Total Population During Operation	867 persons (fixed person: 781, floating person:78, service person: 8)
Electricity Load	2851.75 KVA or 2281.4 KW

Electricity Supplied By	CESC
D.G. Sets	2 X 380 KVA
Car Parking required	226 nos.
Car Parking provided	307 nos. (Ground floor: open-11 nos., covered-119, Basement– 118 nos.; first floor – 59 nos.)
No. of trees provided	162 nos.
Latitude & Longitude of site	22°30'02.52" N & 88°19'53.60" E
Height of the building	76.60 m.
Project cost (Rs.)	Rs.11990 lakhs

Chronology of the Events:

- The PP has applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 22.08.2024.
- The PP was called for the EC presentation in the 47th meeting of the SEAC, WB (2023-2026) held on 28.08.2024 and the PP presented their proposal in this meeting.
- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations:

Water and waste water

1) The total water requirement for the project given in the sanction plan does not match with the projected water demand submitted by the PP.
2) The population calculation mentioned in the sanction plan does not match with the projected value submitted by the PP.
3) Capacity of STP is not mentioned in the sanctioned master plan.
4) A study report on the impact of basement on shallow ground water flow.
5) Piezometer with automatic water level recorder connected to electronic display board should be provided.
6) Litholog and design of piezometer and recharge wells should be submitted with the compliance report.
7) Disposal of the sewage generated from the areas occupied by the construction labourers should be as per the local body guidelines.
8) Final disposal of treated effluent and non-bio-degradable waste shall be done as per local body guidelines.

Rainwater harvesting

9) First flush diverter (automatic) should be installed in RWH system.
10) Design of recharge structure.

Need based EMP

11) Revised EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted with total project cost and year-wise breakup. Actual needs for the locality should be explored. Items like hand washing station, toilet facility with running water, school infrastructure including incinerator for used sanitary napkins in case of girls' schools, provision for sufficient service water supply and treatment of drinking water, training on environmental awareness including MSW segregation etc. in nearby schools to be considered. Computer literacy training for the local youth may also be considered.

12) All internal, external and façade lighting shall comply with the latest version of National Lighting Code.

13) General meteorology around the tall building is dominated by increased atmospheric stability which in turn allows stagnation of more air masses, which contribute to accumulation of more pollutants. PP is requested to submit AAQ monitoring data to confirm that those are within stipulated limit.

14) Surface run off management from a parking lot after a heavy downpour should be included in the water balance design during/after monsoon.

15) Test report of water quality, especially Arsenic may please be submitted. If possible, Arsenic treatment facility may be provided.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

- The project proponent uploaded their reply in PARIVESH Portal on 07.11.2024, which was considered in the 53rd meeting of SEAC, WB (2023-2026) held on 20.11.2024.
- The SEAC scrutinized the documents submitted by the PP in the 53rd meeting of SEAC, WB (2023-2026) held on 20.11.2024. After careful consideration and detailed deliberation, the committee recommended that the PP should submit **the details of water calculation only as per NBC, 2016.**

  The documents mentioned above may be submitted in the PARIVESH portal for further consideration of the application.

- The project proponent uploaded their reply in PARIVESH Portal on 11.12.2024, which has considered in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024.
- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

Total Land Area	10270.02 sqm (100 %)
Ground Coverage Area	4060.984 sqm (39.542%)
Service Area	186.39sqm (1.815%)
Paved Area	2270.633 sqm (22.109%)
Open Parking Area	639.01 sqm. (6.222%)
Green Area	2168.197 sqm (21.112%)
Other Landscape Area	337.78 sqm (3.29%)
Free gift Area	601.30 sqm (5.854%)
Corner Splay area	5.73 sqm (0.056%)
Total Built Up Area	**36414.711 sqm**
No. of Block & Storey	One (1) Block of 3 interconnected Residential towers: Tower 1- B+G+21 Tower 2- B+G+15 & Tower 3- B+G+21 Storied
No. of Dwelling units	115 nos. (3 BHK – 24 nos., 4 BHK – 71 nos.,5 BHK – 20 nos.)
Source of Water	KMC supply
Total Quantum of Water required	Non-monsoon season: 146 KLD Monsoon season: 130 KLD

Quantity of Wastewater Generation	102 KLD (Design STP capacity – 110 KLD)
Quantity of treated wastewater recycled	**Non – Monsoon** : 62 KLD (Landscaping – 12 KLD, Car washing – 9 KLD, Flushing – 37 KLD, Yard washing – 4 KLD) **Monsoon** : 46 KLD (Landscaping – 0 KLD, Car washing – 9 KLD, Flushing – 37 KLD, Yard washing – 0 KLD)
Quantity of treated wastewater Discharge	Non-monsoon season: 40 KLD Monsoon season: 56 KLD
Quantum of Fresh Water required	84 KLD (Rain water storage tank capacity – 127 KL)
Quantity of Solid Waste Generation	410 kg/day (operational phase) 59 kg/day (construction phase)
Constructional Phase Water Demand	24KLD (Construction work – 4 KLD, Workers –20 KLD)
Total Population During Construction	295 persons
Total Population During Operation	867 persons (fixed person: 781, floating person:78, service person: 8)
Electricity Load	2851.75 KVA or 2281.4 KW
Electricity Supplied By	CESC
D.G. Sets	2 X 380 KVA
Car Parking required	226 nos.
Car Parking provided	307 nos. (Ground floor: open-11 nos., covered-119, Basement– 118 nos.; first floor – 59 nos.)
No. of trees provided	162 nos.
Latitude & Longitude of site	22°30'02.52" N & 88°19'53.60" E
Height of the building	76.60 m.
Project cost (Rs.)	Rs.11990 lakhs

SEAC Observations and Recommendations:

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024 and deliberated on the submissions made by the project proponent. SEAC accepted the final proposal consisting of various environmental parameters and salient features and **recommended the proposed project for Environmental Clearance**.

II. Proposed expansion of Affordable Housing Complex under Pradhan Mantri Awas Yojana "SOLARIS SHALIMAR" at Premises No. 39/1, Shalimar Road, Mouza - Shibpur, Sheet No. – 180, J.L. No. - 1, Khatian No. 17, L.R. Plot No. - 1, 2, 11, Mouza - Shibpur, Sheet No. – 170, J.L. No.- 1, Khatian No. 9, L.R. Plot No.- 39, 40, 41, 42, 44, 45, 60, 61, 62, 63, Mouza - Shibpur, Sheet No. – 179, J.L. No.- 1, Khatian No. 15, L.R. Plot No.- 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 24, Mouza – Shibpur, Sheet No. – 169, J.L. No.- 1, Khatian No. 170, L.R. Plot No.- 12, 13, Howrah – 711 103, West Bengal.

Proposal No.: SIA/WB/INFRA2/495668/2024

Project Proponent: **M/s. Ideal Riverview Projects Pvt. Ltd.**
Environmental Consultant: **M/s. Ultra-Tech.**

Activities:

- This is a proposal for expansion of Affordable Housing Complex under Pradhan Mantri Awas Yojana.

Total project scenario after expansion –

Nine (9) Residential Towers: Tower 1 to 5 & 8 - G+12 storied, Tower 6 to 7 - G+18 storied, Tower 9 - G+28 storied, Club 1 - G storied and Club 2 - G+1 storied above Basement. Total no. of flats - 1914 nos. (1 BHK - 2, 1 BHK + study - 2, 2 BHK - 846, 2 BHK + study - 70, 3 BHK - 935, 3 BHK duplex - 1, 4 BHK - 52, 4 BHK duplex - 3, 5 BHK duplex - 2, 6 BHK duplex - 1). Total Land area of total project is 74150.138 sqm and net land area is 73171.038 sqm. Built up area of the total projects is 172842.64 sqm (for expansion part built up area is 115418.034 sqm).

Salient Features of the project:

- Salient features of the project as uploaded by the PP in the PARIVESH portal is as below–

	As per Environmental Clearance issued vide EC Identification No. EC22B038WB189578, date of issue of EC 19.09.2022	**Expansion Part**	**Total after Expansion**
Land area	74150.138 sqm	74150.138 sqm	74150.138 sqm
Owner's Land Encroached by others	--	979.100 sqm	979.100 sqm
Nala Area (Under LR dag no. 6, 8 &13)	--	742.592 sqm	742.592 sqm
Net Land area	--	72428.446 sqm	72428.446 sqm
No. of stories	Eight (8) Residential Towers: Tower 1 to 5 - G+12 storied, Tower 6 to 8 - G+1 storied and 1 no. Club Block - G storied	Four (4) Residential Towers: Tower 6 to 7 - from G+1 to G+18 storied, Tower 8 - from G+1 to G+12 storied, Tower 9 - G+28 storied and Club 2 - G+1 storied above Basement	Nine (9) Residential Towers: Tower 1 to 5 & 8 - G+12 storied, Tower 6 to 7 - G+18 storied, Tower 9 - G+28 storied Club 1 - G storied and Club 2 - G+1 storied above Basement
No. of Flats	970 nos. (2 BHK - 715 nos. + 3 BHK - 225 nos.)	Flats - 944 nos.	Flats - 1914 nos.(1 BHK - 2, 1 BHK + study - 2, 2 BHK - 846, 2 BHK + study - 70, 3 BHK - 935, 3 BHK duplex - 1, 4 BHK - 52, 4 BHK duplex - 3, 5 BHK duplex - 2, 6 BHK duplex - 1)
Latitude & Longitude of site	22°33'10.95" N, 88°18'41.14" E		
Total Built-up Area	**57424.614 sqm**	**115418.034 sqm**	**172842.648 sqm**
Ground Coverage	8767.79 sqm (11.82% of Land Area)	5662.87 sqm (0.078% of Land Area)	14430.660 sqm (19.924% of Land Area)
Exclusive Tree Plantation Area	14882.70sqm (20.07% of Land Area)	- 83.888 sqm (0.12% of Land Area)	14798.812 sqm (20.432% of Land Area)
Waterbody Area	3895.91sqm (5.25% of Land Area)	--	3895.910 sqm (5.379% of Land Area)

	As per Environmental Clearance issued vide EC Identification No. EC22B038WB189578, date of issue of EC 19.09.2022	Expansion Part	Total after Expansion
Service Area	1403.80 sqm (1.89% of Land Area)	1067.655 sqm (0.0147% of Land Area)	2471.455 sqm (3.412% of Land Area)
Swimming pool Area	354.00 sqm (0.48% of Land Area)	- 47.75 sqm (0.066% of Land Area)	306.250 sqm (0.423% of Land Area)
Paved Area	12964.62 sqm (17.48% of Land Area)	13457.808 sqm (18.58% of Land Area)	26422.428 sqm (36.481% of Land Area)
Open Parking Area	4195.52 sqm (5.66% of Land Area)	- 1306.373 sqm (1.80% of Land Area)	2889.147 sqm (3.989% of Land Area)
Future Expansion Area	27685.80 sqm (37.34% of Land Area)	- 20472.016 sqm (28.26% of Land Area)	7213.784 sqm (9.960% of Land Area)
Source of Water	Howrah Municipal Corporation		
Quantum of Water required	804 KLD	636 KLD	1440 KLD
Quantity of Wastewater Generation	560 KLD	496 KLD	1056 KLD
Treated Wastewater Recycled	232 KLD (to be used in landscaping, flushing & car washing)	183 KLD	415 KLD
Quantity of Wastewater discharged	328 KLD	313 KLD	641 KLD
Quantum of Fresh Water required	572 KLD	453 KLD	1025 KLD
Quantity of Solid Waste Generation	2700 Kg/day	2900 Kg/day	5600 Kg/day
Construction Phase Water Demand	39 KLD (33 KLD for workers and 6 KLD for construction work)	76 KLD	115 KLD (98 KLD for workers and 17 KLD for construction work)
Population During Construction	465 persons	930 persons	1395 persons
Total Population During Operation	5668 (Fixed - 5105 and Floating - 563) persons	6268 (Fixed - 5592, Floating - 676) persons	11936 (Fixed - 10697, Floating - 1239) persons
Electricity (Demand Load)	2381 KW, CESC	7020 KVA (5967.29 KW), CESC	9821.51 KVA (8348.29KW), CESC
D.G. Sets for Back up power	2 nos. 500 KVA and 2 nos. 600 KVA	6 nos. 600 KVA	2 nos. 500 KVA & 8 nos. 600 KVA
Parking Provided	Cars - 805 nos.(Covered - 204 nos., Open - 17 nos. & Mechanical - 584 nos.), Scooty - 112 nos.	Cars - 934 nos. (Covered - 770 nos., Open - 50 nos. & Mechanical - 114 nos.), Scooty - 28	Cars - 1739 nos.(Covered - 223 nos., Basement parking - 751 nos., MLCP - 698 nos. & Open Parking - 67 nos.), Scooty - 140 nos.
Total no. of trees proposed	1060 nos.	--	1060 nos.
Project Cost (Rs.)	Rs.167.82 crores	Rs.339.52 crores	Rs. 507.34 crores

Chronology of the Events:

- Earlier the project proponent (PP) had obtained EC issued vide EC Identification No. EC22B038WB189578, dated 19.09.2022 for Eight (8) Residential Towers: Tower 1 to 5 - G+12 storied, Tower 6 to 8 - G+1 storied and 1 no. Club Block - G storied; No. of Flats: 970 nos. (2 BHK - 715 nos. + 3 BHK - 225 nos.).
- Now the PP had applied for expansion of the existing project for Four (4) Residential Towers: Tower 6 to 7- from G+1 to G+18 storied, Tower 8 – from G+1 to G+12 storied, Tower 9 - G+28 storied and Club 2 - G+1 storied above Basement; No. of Flats: 944 nos.

- The PP has applied in prescribed format for expansion of the existing project for Terms of Reference (Proposal No. SIA/WB/INFRA2/465934/2024) in 8(b) category for the project and uploaded the application in the PARIVESH portal on 15.03.2024.
- SEIAA issued Terms of Reference for the project vide ToR Identification No. TO24B3812WB5481945N, File No. EN/T-II-1/053/2024 dated 05.06.2024.
- The PP has applied in prescribed format for Environmental Clearance for the project and uploaded the final EIA report in the PARIVESH portal on 14.09.2024.
- The PP was called for the EC presentation in the 49th meeting of the SEAC, WB (2023-2026) held on 25.09.2024 and the PP presented their proposal in this meeting.

- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1) The building configuration and the dag nos. mentioned in the fire safety recommendation do not match with the sanctioned building plan.
2) Revised comparative statement showing proper land use in sqm. and percentage.
3) Concurrence from Howrah Municipal Corporation regarding collection and disposal of non-biodegradable portion of the solid waste generated.

Energy management and Solar

4) Detailed plan of solar power plant generation including PV array for atleast 1% of the connected load should be submitted. Area of rooftop provided to be shown in the plan.
5) External lighting design of the landscaped areas and building facade should be in compliance with section 7.5, Part 11, NBC 2016 and the National Lighting Code 2010.

Water and waste water

6) The flushing water requirement of 21 KLD does not comply with NBC, 2016. The construction manual (undated) cited in favour of this is a demand-side management proposition and cannot be used for supply-side requirement calculation. Revised water balance based on NBC, 2016 should be provided. The modification, if any, due to change of water required, should be highlighted.
7) Revised analysis report of ground water and surface water quality as mentioned in the meeting.
8) Break-up of the quantities of water from HMC and from borewells along with the pumping schedule.
9) Depth of tubewells already installed. Location of tubewells and distance between the wells should be submitted. Location of the third tubewell will have to be and its distance from the other two wells should be submitted.
10) Pumping schedule of the wells should be submitted.
11) The estimated groundwater resource for safe yield from the project land parcel is approximately 327 m^3/day. The Project authority has permission to withdraw 300 m^3/day from 3 tubewells. HMC will deliver water to meet the remainder of the water demand (725 KLD). If HMC fails to provide the required 725 KLD of water, the aquifer will be severely stressed on account of withdrawal of this large volume of water. The static groundwater level within the project boundary is 18.28 m. As a result,

withdrawing permitted 300KLD of groundwater will cause a further decline of the piezometric surface, which has to be assessed. It is also critical to understand the volume of water that will be recharged by rainwater harvesting, as proposed in the EIA report and the resultanting rise in the water level. If the rise caused by the recharge keeps the water level at its current level, the recommended recharge volume is enough. If not, further artificial recharge will be required through recharge wells. The number of additional recharge wells will have to be determined and reported and provided.

12) Groundwater quality of the two tube wells installed within the project area will have to be submitted.

13) Details of WTP.

14) Plan for installation of piezometer with automatic groundwater level measurement and recording system connected to display board.

15) Impact of basement on the shallow ground water flow.

16) Flow sheet of STP to revise by showing backwash water and diverting the wash water to the equalization tank.

17) Surface water quality to include the data for Swarnamoyee canal and the ponds (not 'lakes')

Need-based EMP

18) Need-based activities for the particular extension part should not be confused with the general CSR of the company.

19) Evidence should be provided by photograph and/or certificate from the beneficiaries for the need -based activities corresponding to the previous part of the project for which EC was issues on 19.9.2022.

20) Specific need-based activities for the proposed expansion part of the project indicating the beneficiaries involved.

Miscellaneous

21) The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Non-compliance related to the traffic and road should be addressed and a plan should be submitted.

h) Piezometer should be installed and the data should be displayed on the display board. Data for recharge of harvested rainwater should be furnished during operation phase.

i) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

Plan in this regard to be submitted.

22) Charging facility for e-vehicles should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

- The project proponent uploaded their reply in PARIVESH Portal on 13.12.2024, which was considered in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024.
- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

	As per Environmental Clearance issued vide EC Identification No. EC22B038WB189578, date of issue of EC 19.09.2022	**Expansion Part**	**Total after Expansion**
Land area	74150.138 sqm	74150.138 sqm	74150.138 sqm
Owner's Land Encroached by others	--	979.100 sqm	979.100 sqm
Nala Area (Under LR dag no. 6, 8 &13)	--	742.592 sqm	742.592 sqm
Net Land area	--	72428.446 sqm	72428.446 sqm
No. of stories	Eight (8) Residential Towers: Tower 1 to 5 - G+12 storied, Tower 6 to 8 - G+1 storied and 1 no. Club Block - G storied	Four (4) Residential Towers: Tower 6 to 7 - from G+1 to G+18 storied, Tower 8 - from G+1 to G+12 storied, Tower 9 - G+28 storied and Club 2 - G+1 storied above Basement	Nine (9) Residential Towers: Tower 1 to 5 & 8 - G+12 storied, Tower 6 to 7 - G+18 storied, Tower 9 - G+28 storied Club 1 - G storied and Club 2 - G+1 storied above Basement
No. of Flats	970 nos. (2 BHK - 715 nos. + 3 BHK - 225 nos.)	Flats - 944 nos.	Flats - 1914 nos.(1 BHK - 2, 1 BHK + study - 2, 2 BHK - 846, 2 BHK + study - 70, 3 BHK - 935, 3 BHK duplex - 1, 4 BHK - 52, 4 BHK duplex - 3, 5 BHK duplex - 2, 6 BHK duplex - 1)
Latitude & Longitude of site	22°33'10.95" N, 88°18'41.14" E		
Total Built-up Area	**57424.614 sqm**	**115418.034 sqm**	**172842.648 sqm**
Ground Coverage	8767.79 sqm (11.82% of Land Area)	--	14430.660 sqm (19.924% of Land Area)
Exclusive Tree Plantation Area	14882.70sqm (20.07% of Land Area)	--	14798.812 sqm (20.432% of Land Area)
Waterbody Area	3895.91sqm (5.25% of Land Area)	--	3895.910 sqm (5.379% of Land Area)
Service Area	1403.80 sqm (1.89% of Land Area)	--	2471.455 sqm (3.412% of Land Area)
Swimming pool Area	354.00 sqm (0.48% of Land Area)	--	306.250 sqm (0.423% of Land Area)
Paved Area	12964.62 sqm (17.48% of Land Area)	--	26422.428 sqm (36.481% of Land Area)
Open Parking Area	4195.52 sqm (5.66% of Land Area)	--	2889.147 sqm (3.989% of Land Area)
Future Expansion Area	27685.80 sqm (37.34% of Land Area)	--	7213.784 sqm (9.960% of Land Area)
Source of Water	Howrah Municipal Corporation		
Quantum of Water required	804 KLD	892 KLD	1696 KLD
Quantity of Wastewater Generation	560 KLD	700 KLD	1260 KLD

	As per Environmental Clearance issued vide EC Identification No. EC22B038WB189578, date of issue of EC 19.09.2022	Expansion Part	Total after Expansion
Treated Wastewater Recycled	232 KLD (to be used in landscaping, flushing & car washing)	439 KLD	671 KLD
Quantity of Wastewater discharged	328 KLD	261 KLD	589 KLD
Quantum of Fresh Water required	572 KLD	453 KLD	1025 KLD
Quantity of Solid Waste Generation	2700 Kg/day	2900 Kg/day	5600 Kg/day
Construction Phase Water Demand	39 KLD (33 KLD for workers and 6 KLD for construction work)	76 KLD	115 KLD (98 KLD for workers and 17 KLD for construction work)
Population During Construction	465 persons	930 persons	1395 persons
Total Population During Operation	5668 (Fixed - 5105 and Floating - 563) persons	6268 (Fixed - 5592, Floating - 676) persons	11936 (Fixed - 10697, Floating - 1239) persons
Electricity (Demand Load)	2381 KW, CESC	7020 KVA (5967.29 KW), CESC	9821.51 KVA (8348.29KW), CESC
D.G. Sets for Back up power	2 nos. 500 KVA and 2 nos. 600 KVA	6 nos. 600 KVA	2 nos. 500 KVA & 8 nos. 600 KVA
Parking Provided	Cars - 805 nos.(Covered - 204 nos., Open - 17 nos. & Mechanical - 584 nos.), Scooty - 112 nos.	Cars - 934 nos. (Covered - 770 nos., Open - 50 nos. & Mechanical - 114 nos.), Scooty - 28	Cars - 1739 nos.(Covered - 223 nos., Basement parking - 751 nos., MLCP - 698 nos. & Open Parking - 67 nos.), Scooty - 140 nos.
Total no. of trees proposed	1060 nos.	--	1060 nos.
Project Cost (Rs.)	Rs.167.82 crores	Rs.339.52 crores	Rs. 507.34 crores

SEAC Observations and Recommendations:

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. SEAC scrutinized the documents submitted by the project proponent in the meeting and observed that the PP has not complied with the condition of the EC regarding need-based activity. Hence, the **PP should submit the compliance of earlier need-based activities given in the EC issued dated 19.09.2022. Evidence should be provided by photograph and certificate from the beneficiaries. The necessary fund allocation for the need based activity should be reflected in the balance sheet**.

  The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

  All the documents should be duly signed both by the project proponent and the environmental consultant.

  The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

II. Proposed Residential Buildings at Premises No. – 43, Vinoba Bhave Road, Ward No. – 119, Borough – XIII, Under Kolkata Municipal Corporation, P.S. – New Alipore, Kolkata – 700038, West Bengal.

Proposal No.: **SIA/WB/INFRA2/500245/2024**
Project Proponent: **M/s. DTL Estate Pvt Ltd.**
Environmental Consultant: **M/s. ULTRA-TECH.**

Activities:

- This is a proposal for development of residential building of Block A – G+XXI storied (Tower 1) & B+G+XXI storied (Tower 2 & 3), Block B – G+XVII storied (Tower 4) having land area of 16904.77 sqm. (as per deed) and 16905.00 sqm (as per ULC). Built up area of 67707.463 sqm. consisting of 223 (3 BHK – 147, 4 BHK – 76) nos. flats.

Salient Features of the project:

- Salient features of the proposed project as uploaded by the PP in the PARIVESH portal is as below–

Land Area (As per land deed)	16904.77sqm
Land Area (As per ULC)	16905.00 sqm
Net Land Area	12200.67 sqm (Excluding Pond area)
Land Area (as per Physical Measurement)	16065.75 sqm (100%)
Ground Coverage Area	5575.26 sqm (34.70%)
Service Area	544.56 sqm (3.39%)
Paved Area	3637.77 sqm (22.64%)
Pond/Water Body Area	3865.08 sqm (24.06%)
Exclusive Tree Plantation Area	2443.08 sqm [15.21% of total land area (as per Physical Measurement) & 20.02% of Net Land area]
No. of stories	Residential Buildings: Block A–G+XXI storied (Tower 1) & B+G+XXI storied (Tower 2 & 3) Block B – G+XVII storied (Tower 4)
No. of Flats	223 (3 BHK – 147, 4 BHK – 76) nos.
Total Built-up area	**67707.463 sqm**
Total Population During Operation	1569 (Fixed – 1414, Floating – 141, Service – 14) persons
Total Population During Construction	550 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	231 KLD(non-monsoon season) 216 KLD (monsoon season)
Quantity of Wastewater Generation	167 KLD
Treated Wastewater Recycled	**Non – Monsoon**:67 KLD (Landscaping – 15 KLD, Car washing – 14 KLD, Flushing – 33 KLD, Yard washing – 5 KLD)

	Monsoon:52 KLD (Landscaping – 0 KLD, Car washing – 14 KLD, Flushing – 33 KLD, Yard washing – 5 KLD)
Quantity of Wastewater Discharge	100 KLD (non-monsoon season) 115 KLD (monsoon season)
Quantum of Fresh Water required	164 KLD
Quantity of Solid Waste Generation	800 kg/day (operational phase) 110 kg/day (construction phase)
Constructional phase Water Demand	46 KLD (39 KLD for workers and 7 KLD for construction work)
Electrical Load	1674.36 KVA (1423.2 KW)
Electricity Supplied By	CESC
D.G. Sets no.	1 X 600 KVA & 1 X 750 KVA
Parking Required	446 nos.
Parking Provided	475 nos. [Basement Double Layer Covered – 164 nos., Basement Single Layer Covered – 9 nos., Ground floor Single Layer Covered – 148 nos., Ground floor Single Layer open Parking – 2 nos., 1st & 2nd floor Single Layer Covered – 152 nos.]
Total no. of Trees	Proposed – 200, Existing – 36 (1 no. existing tree at KMC area & 7 no. existing trees to be removed).
Latitude & Longitude of site	22°30'37.20"N, 88°19'26.51"E
Height of the Building	Block A – 72.6 m & Block B – 60 m.
Project Cost (Rs.)	Rs.372.85 Crores

Chronology of the Events:

- The PP has applied in prescribed format for the proposed project for Environmental Clearance and uploaded their proposal in the PARIVESH portal on 21.10.2024.
- The PP was called for the EC presentation in the 52nd meeting of the SEAC, WB (2023-2026) held on 09.11.2024 and the PP presented their proposal in this meeting.
- Based on the application made, documents uploaded / submitted, and the presentation made by the PP/Consultant, the SEAC made the following observations :

Mandatory documents

1 According to the micro-climatic analysis report, considering the height of the towers being constructed, the pond / waterbody will experience an area of permanent shadow due to the shading effect of the four towers. This will lead to disturbance of the entire ecology of the waterbody and decrease in D.O. concentration. Considering the above, a detailed plan should be drawn up to maintain the ecology of the waterbody. Necessary documents should be submitted in this regard.

2 The frequency of monitoring of environmental parameters as suggested in the EMP should be increased. Sensor based real time ambient air quality monitoring stations to be installed and report to be submitted on a regular basis.

Water and waste water

3 Water usage as per NBC 2016 should be submitted.

4 Subsurface hydro-geological study report of the area. Impact of the basement on the shallow ground water flow.

5 Condensate from the ACs should be routed to the recharge wells as far as possible.

Water-body and rainwater harvesting

6 Proposed usage of pond should be submitted.

7 Details regarding capacity and location of rainwater harvesting tank compared to the one-day fresh water demand.

8 First flush diverter to be added to RWH system.

9 The capacity of the rainwater harvesting tank is less than that of the fresh water demand.

Need based EMP

10 Revised need-based EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 needs to be submitted. Beneficiaries for the social part of EMP should be identified and their consent should be submitted.

Miscellaneous

11 The PP shall install the following :-

a) Solar smart meter for recording generation.

b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.

c) Sensor based water quality management system.

d) STP with the digital data for inlet / outlet along with discharge quality.

e) Ambient air quality monitoring station.

f) Ambient noise quality monitoring station.

g) Display board for display of all the environmental parameters and beneficiary of the social component of EMP.

h) Piezometer with automatic water level recorder connected to a display board. Litholog of piezometer to be submitted.

Plan in this regard to be submitted.

12 Charging facility for e-vehicles for at least 10% should be provided. Plan in this regard to be submitted.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

- The project proponent uploaded their reply in PARIVESH Portal on 12.12.2024, which was considered in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024.

- The PP submitted the revised salient features of the project and uploaded in the PARIVESH portal is as below–

Land Area (As per land deed)	16904.77sqm
Land Area (As per ULC)	16905.00 sqm
Net Land Area	12200.67 sqm (Excluding Pond area)
Land Area (as per Physical Measurement)	16065.75 sqm (100%)
Ground Coverage Area	5575.26 sqm (34.70%)
Service Area	544.56 sqm (3.39%)
Paved Area	3637.77 sqm (22.64%)
Pond/Water Body Area	3865.08 sqm (24.06%)
Exclusive Tree Plantation Area	2443.08 sqm [15.21% of total land area (as per Physical Measurement) & 20.02% of Net Land area]
No. of stories	Residential Buildings: Block A–G+XXI storied (Tower 1) & B+G+XXI storied (Tower 2 & 3) Block B – G+XVII storied (Tower 4)
No. of Flats	223 (3 BHK – 147, 4 BHK – 76) nos.
Total Built-up area	**67707.463 sqm**
Total Population During Operation	1569 (Fixed – 1414, Floating – 141, Service – 14) persons
Total Population During Construction	550 persons
Source of Water	Kolkata Municipal Corporation
Quantum of Water required	244 KLD(non-monsoon season) 224 KLD (monsoon season)
Quantity of Wastewater Generation	178 KLD
Treated Wastewater Recycled	**Non – Monsoon**:101 KLD (Landscaping – 15 KLD, Car washing – 14 KLD, Flushing – 67 KLD, Yard washing – 5 KLD) **Monsoon**:52 KLD (Landscaping – 0 KLD, Car washing – 14 KLD, Flushing – 67 KLD, Yard washing – 0 KLD)
Quantity of Wastewater Discharge	77 KLD (non-monsoon season) 97 KLD (monsoon season)
Quantum of Fresh Water required	143 KLD
Quantity of Solid Waste Generation	800 kg/day (operational phase) 110 kg/day (construction phase)
Constructional phase Water Demand	46 KLD (39 KLD for workers and 7 KLD for construction work)

Electrical Load	1674.36 KVA (1423.2 KW)
Electricity Supplied By	CESC
D.G. Sets no.	1 X 600 KVA & 1 X 750 KVA
Parking Required	446 nos.
Parking Provided	475 nos. [Basement Double Layer Covered – 164 nos., Basement Single Layer Covered – 9 nos., Ground floor Single Layer Covered – 148 nos., Ground floor Single Layer open Parking – 2 nos., 1st & 2nd floor Single Layer Covered – 152 nos.]
Total no. of Trees	Proposed – 200, Existing – 36 (1 no. existing tree at KMC area & 7 no. existing trees to be removed).
Latitude & Longitude of site	22°30'37.20"N, 88°19'26.51"E
Height of the Building	Block A – 72.6 m & Block B – 60 m.
Project Cost (Rs.)	Rs.372.85 Crores

SEAC Observations and Recommendations:

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. SEAC scrutinized the documents submitted by the project proponent in the meeting and deliberated on the submissions made by the project proponent, SEAC accepted the final proposal consisting of various environmental parameters and salient features and **recommended the proposed project for Environmental Clearance**.

2.1.2) Mining of Minerals :

I. Proposed Beloa Sand Mine on the Damodar River comprising an area of 2.02 ha (5.00 Acres) at J. L. No. – 108, Plot No. 401(P), Mouza – Beloa, PS – Sonamukhi, District – Bankura, West Bengal.

Proposal No.: **SIA/WB/MIN/494436/2024**
Project Proponent: **M/s. Ujjal Kumar Khan**
Environmental Consultant: **M/s. Chaitanya Projects Consultancy Private Limited.**

Activity:

- This is a proposal for Beloa Sand Mine on the Damodar River comprising an area of 2.02 ha (5.00 Acres) at J. L. No. – 108, Plot No. 401(P), Mouza – Beloa, PS – Sonamukhi, District – Bankura, West Bengal.
- **The project is falling within the DSR potential zone code BNK_DA_SM_23.**
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' for sand mining at the site prepared by an RQP. The Plan has been approved by the State Government on 15.09.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP. **The Mine Plan is valid for a period of two years**.

- The reserves and year wise production details as mentioned in the Mining Plan is given below :-

Reserve and year wise production details of the mine

Year	Total Area (ha)	Production Area (ha)	Thickness (m)	Mineable Reserve (cum)	Geological Resource (cum)	Replenishment rate (%)
1	2.02	1.48	3.00	44400	60600	100
2	2.02	1.48	2.202	32589.6	44480.4	73.40
Total reserve				**76989.6**	**105080.4**	

- The PP has uploaded pre-feasibility report for the proposed project.
- **The PP has not uploaded valid Letter of Intent from the competent authority.**
- The PP has uploaded non-cluster certificate from the competent authority. **The sand block is not forming cluster with any adjacent sand Block.**
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

Chronology of Events

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 29.08.2024.
- The PP was called for the EC presentation in the 48th meeting SEAC, WB (2023-2026) held on 11.09.2024.
- Based on the submission and presentation made by the PP, the SEAC observed that **the plot area** for the proposed project as per the geo-coordinates mentioned in the revised Mining Plan uploaded by the PP **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The SEAC scrutinized the documents submitted by the PP in the 48th meeting SEAC, WB (2023-2026) held on 11.09.2024. After careful consideration and detailed, the committee recommended that the PP should submit the following in the PARIVESH portal for further consideration of the application:-

  a) Valid Letter of Intent from the competent authority.

  b) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc.) may also be uploaded. Evidence of the activities already done should be provided by photographs with geo-coordinates. The activities should be completed within the first two years of the project life.

  c) A study report on base flow level measured at 5 points with date and supporting photographs should be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

  d) The PP has to do tree plantation in an area equivalent to 33% of the lease area @2500 trees / ha within first two years from the starting of the mining operation. A Progressive Greenbelt Plan may be prepared. The project area being entirely on the

riverbed, afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region. Spatial year wise progressive plantation programme to be submitted.

- The project proponent uploaded their reply in PARIVESH Portal on 04.10.2024, which was considered in the 51st meeting SEAC, WB (2023-2026) held on 30.10.2024.
- The SEAC scrutinized the documents submitted by the PP in the 51st meeting SEAC, WB (2023-2026) held on 30.10.2024. Based on the submission made by the PP, the SEAC observed that the PP has not submitted proper reply to the queries raised. Hence, the PP is once again requested to submit specific point wise reply and upload the requisite documents as directed by the SEAC for further consideration off the proposal.
- The project proponent uploaded their reply in PARIVESH Portal on 04.12.2024, which was considered in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024.

SEAC Observations and Recommendations:

- The SEAC scrutinized the documents submitted by the PP in the 56th meeting of SEAC, WB (2023-2026) held on 18.12.2024. After careful consideration and detailed deliberation, the committee observed that according to the grant order for the project uploaded by the PP, the DM, Bankura has granted mining lease for the project for a period of two years vide letter dated 06.05.2016. No further extension has been submitted by the PP.
- Considering the above, the SEAC recommended that the **PP should submit comprehensive document in the form of valid LoI for the project** based on which the appraisal process can be continued further.

The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

All the documents should be duly signed both by the project proponent and the environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

Table-1 : List of the projects which were placed before the SEAC, WB (2023-2026) in the fifty-sixth meeting held on 18.12.2024 and the Summary Decisions thereof:

Sl. No.	Name of the unit and Project address	Summary Decision
1. Cases for Technical Presentation		
1.1) Environmental Clearance		
1.1.1) Mining of Minerals		
I.	Shri Dhurub Prasad. Proposed Ratgara Sand Mine over an area of 1.62 ha (4.00 acres) on the Dwarka river at Plot No. 1207(P), JL No. 07,	Rejected

Sl. No.	Name of the unit and Project address	Summary Decision
	Mouza – Ratgara, PS – Mayureswar, Dist – Birbhum, West Bengal. (Proposal No.: SIA/WB/MIN/503320/2024)	
II.	Shri Kumarjit Giri Proposed MDTNB-7 Sand Mine over an area of 3.04 ha on the Subarnarekha River bed at Mouza - Palasia, J.L. No.: 96, Plot No.: 1370P & 482P, P.S.: Dantan, District: Paschim Midnapur, West Bengal. (Proposal No.: SIA/WB/MIN/513778/2024)	Rejected
III.	Shri Suneel Jha. Proposed Bhandirban Sand Mine over an area of 2.58 ha (6.38 acres) on the Mayurakshi river at Plot No. 279(P), 290(P), 291, 292, JL No. 202, Mouza – Bhandirban, PS – Suri-I, Dist – Birbhum, West Bengal. (Proposal No.: SIA/WB/MIN/513810/2024)	Rejected
IV.	M/s. West Bengal Mineral Development And Trading Corporation Limited. Proposed MIN_BNK_55_A sand mine over an area of 15.00 Ha (37.065 acres) on the Darakeswar river bed at J.L. No.: 55, Mouza: Bhagalpur, Plot No.: 1366,1367,1426, J.L. No.: 61, Mouza: Hati, Plot No.: 3, 4, 61, 62, 63, 81, 80, 83, 84, P.S. & Block: Kotulpur, J.L. No.: 103, Mouza: Behar, Plot No.: 963, 2473, 2455, 2456, 1036, 1037, 2340, 2362, J.L. No.: 104, Mouza: Parikhapara, Plot No.: 996, 999, 1001, 1009, 1008, P.S. & Block : Indas, District: Bankura, West Bengal. (Proposal No.: SIA/WB/MIN/499938/2024)	Additional Details Sought
V.	M/s. West Bengal Mineral Development And Trading Corporation Limited. Proposed MIN_BNK_57 Sand Mine over an area of 9.21 ha (22.74 Acres) on the Dwarakeswar River at Mouza: Sonatapol, J.L. No.: 75, Plot No.: 1, P.S. & Block - Onda, District: Bankura, West Bengal. (Proposal No.: SIA/WB/MIN/502164/2024)	Additional Details Sought
VI.	M/s. Swastik Traders. Proposed Dhanyagram Sand Mine over an area of 4.59 Ha on the Mayurakshi River bed at Mouza - Dhanyagram, J.L. No.-206, Plot No.- 1 (P), P.S.: Suri, District: Birbhum, West Bengal. (Proposal No.: SIA/WB/MIN/513505/2024)	Rejected
VII.	Samim Ahmed. Proposed Pagrangbong Sand & Boulder Mine over an area of 1.01 Ha (2.50 Acres) on the Geet River at LR Plot Nos. 1901(P), Mouza - Pagrangbong (Sheet No. 9) J.L No.-17, Block- Kalimpong I1, District - Kalimpong, West Bengal. (Proposal No.: SIA/WB/MIN/513731/2024)	Absent
1.2) Terms of Reference		
1.2.1) Mining of Minerals		

Sl. No.	Name of the unit and Project address	Summary Decision
I.	Shri Bikash Mitra. Proposed Katna Sand Mine (Sand Block No.: 0117DR007) over an area of 1.87 ha (4.62 Acres) on the river Dwarakeswar at Plot No. - 1047, J.L. No.- 79, Mouza - Katna, P.S.- Bishnupur, District - Bankura, West Bengal. (Proposal No.: SIA/WB/MIN/513091/2024)	Recommended for Terms of Reference
II.	Shri Rajkishore Mahapatra. Proposed Lalitapur Sand Mine (MDTNB-5) over an area of 5 ha (12.35 acres) on the Subarnarekha River at Plot No. 973(P), 1061(P), JL No. 95, Mouza – Lalitapur, PS – Dantan, Dist – Paschim Medinipur, West Bengal. (Proposal No.: SIA/WB/MIN/513746/2024)	Absent
III.	Kalyani Mahapatra. Proposed Hashimpur Sand Mine (MDTNB-13) over an area of 5 ha (12.35 acres) on the Subarnarekha River at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal. (Proposal No.: SIA/WB/MIN/513728/2024)	Absent
IV.	Ankush Arora. Proposed Hasimpur Sand Mine (MDTNB-14) over an area of 3.6 ha on the Subarnarekha River at Plot No. 56(P), 435(P), JL No. 99, Mouza – Hashimpur, PS – Dantan, Dist – Paschim Medinipur, West Bengal. (Proposal No.: SIA/WB/MIN/513753/2024)	Absent
1.2.2) Industry Sector		
I.	M/s. JKC Steel Private Limited. Proposed Installation of 4x6 Tonnes Induction furnaces along with Vertical Caster and manufacturing of Rolled products (MS Round and Other steel products) through billet charging at Rolling Mill at Plot No. 356, 391, J.L. No. 44, Mouza - Chapabandi, P.S. - Faridpur (Laudoha), PIN – 713 363, Distt. Paschim Bardhaman, West Bengal. (Proposal No.: SIA/WB/IND1/500930/2024)	Additional Details Sought
1.2.3) Construction Sector		
I.	M/s. DTC Projects Private Limited. Proposed expansion of Housing Complex at Dag No. 11, 12, 13, 16,17, 18, 19, 21, 24, 25, 26, 51, 52, 53, 54, 55, 56, 57, 58, 67, 87, 88, 89, 96, 97, 98, 99 in Mouza - Daulatpur, J.L. No. – 79, and Dag No. 709 in Mouza - Hanspukuria, JL No.-120, Block - Bishnupur-I, Under Kulerdari Gram Panchayat, Dist. - South 24 Parganas, West Bengal. (Proposal No.: SIA/WB/INFRA2/513384/2024)	Recommended for Terms of Reference
1.3) Environmental Clearance		
1.3.1) Construction Sector		
I.	M/s. Godrej Properties Limited. Proposed Residential Complex at Premises no. – 82/1, B. L. Saha Road (Being a Portion of 82, B. L. Saha), Ward No.	Additional Details Sought

Sl. No.	Name of the unit and Project address	Summary Decision
	– 117, Borough – XIII, under KMC, P.S. – Behala, Kolkata – 700053, West Bengal. (Proposal No.: SIA/WB/INFRA2/513127/2024)	
II.	M/s. Palladium Constructions Private Limited. Proposed Residential cum Mercantile (Retail) Buildings at Premises No. – 4, Thackeray Road, Alipore under KMC, Ward No. – 74, Borough – IX, P.S. – Alipore, Kolkata – 700027. (Proposal No.: SIA/WB/INFRA2/512563/2024)	Additional Details Sought
III.	M/s. Loharuka Projects Private Limited. Proposed expansion of Residential Complex at Mouza – Raigachi, J.L. No. – 12, R.S. / L.R. Dag No. – 918 (P), 918 / 1534, 919, 923, 928 (P), 929 (P) & 931 (P), L.R. Khatian No. – 2074 to 2103, P.O. & P.S. – Rajarhat, under Rajarhat-Bishnupur No. 1 Gram Panchayat, Dist - 24 Parganas (N), Pin Code - 700135. (Proposal No.: SIA/WB/INFRA2/513117/2024)	Additional Details Sought.
2. Reconsideration Proposals		
2.1) Environmental Clearance		
2.1.1) Construction Sector		
I.	M/s. SKDJ Sky Height LLP. Proposed Residential Complex at Premises No. – 125, Buroshibtala Main Road, Kolkata Municipal Corporation Ward No. – 117, Borough No. – XIII, Kolkata – 700038. (Proposal No.: SIA/WB/INFRA2/491852/2024)	Recommended for Environmental Clearance
II.	M/s. Ideal Riverview Projects Pvt. Ltd. Proposed expansion of Affordable Housing Complex under Pradhan Mantri Awas Yojana “SOLARIS SHALIMAR” at Premises No. 39/1, Shalimar Road, Mouza - Shibpur, Sheet No. – 180, J.L. No. - 1, Khatian No. 17, L.R. Plot No. - 1, 2, 11, Mouza - Shibpur, Sheet No. – 170, J.L. No.- 1, Khatian No. 9, L.R. Plot No.- 39, 40, 41, 42, 44, 45, 60, 61, 62, 63, Mouza - Shibpur, Sheet No. – 179, J.L. No.- 1, Khatian No. 15, L.R. Plot No.- 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 24, Mouza – Shibpur, Sheet No. – 169, J.L. No.- 1, Khatian No. 170, L.R. Plot No.- 12, 13, Howrah – 711 103, West Bengal. (Proposal No.: SIA/WB/INFRA2/495668/2024)	Additional Details Sought
III.	M/s. DTL Estate Pvt Ltd. Proposed Residential Buildings at Premises No. – 43, Vinoba Bhave Road, Ward No. – 119, Borough – XIII, Under Kolkata Municipal Corporation, P.S. – New Alipore, Kolkata – 700038, West Bengal. (Proposal No.: SIA/WB/INFRA2/500245/2024)	Recommended for Environmental Clearance
2.1.2) Mining of Minerals		
I.	M/s. Ujjal Kumar Khan. Proposed Beloa Sand Mine on the Damodar River comprising an area of 2.02 ha (5.00 Acres) at J. L. No. –	Additional Details Sought

Sl. No.	Name of the unit and Project address	Summary Decision
	108, Plot No. 401(P), Mouza – Beloa, PS – Sonamukhi, District – Bankura, West Bengal. (Proposal No.: SIA/WB/MIN/494436/2024)	

There being no other agenda the Chair thanked the members present for their fruitful participation and deliberations. The meeting ended with a vote of thanks to the Chair.

Sd/-

(Indranath Sinha)
Vice Chairman
S E A C, West Bengal

Sd/-

(Pradip Kumar Sikdar)
Member
S E A C, West Bengal

Sd/-

(Suchandra Bardhan)
Member
S E A C, West Bengal

Sd/-

(Aniruddha Mukhopadhyay)
Member
S E A C, West Bengal

Sd/-

(Sampa Chakrabarti)
Member
S E A C, West Bengal

Sd/-

(Shubhendu Bandyopadhyay)
Member
S E A C, West Bengal

Sd/-

(Rajesh Kumar, IPS)
Secretary
S E A C, West Bengal

Signature Not Verified

Digitally Signed by : Dr Rajesh Kumar IPS
Member Secretary, SEAC

Date: 26/12/2024