

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
Pranisampad Bhavan, LB-2, 5th Floor, Sector III, Salt Lake, Kolkata – 700 106

Web Portal: www.environmentwb.gov.in

No. /224 /EN/T-II-1/082/2017

Date: 24th May, 2018

To
M/s Sugam Promoters Pvt. Ltd.,
2/5, Sarat Bose Road, Unit No. 1F,
Kolkata – 700 020.

Sub: Stipulated conditions for getting environmental clearance for the proposed expansion cum modification of housing complex at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Banerjee Lane), J.L. No. 7, Mouza – Konnagar, P.S. – Uttarpara, Ward No. 15 of Konnagar Municipality, Dist. Hooghly, West Bengal.

Sir,

This has a reference to your application submitted on 09.11.2017 for environmental clearance for the proposed expansion cum modification of housing complex at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Banerjee Lane), J.L. No. 7, Mouza – Konnagar, P.S. – Uttarpara, Ward No. 15 of Konnagar Municipality, Dist. Hooghly, West Bengal and presentation made by you before SEAC on 12.12.2017.

Based on your application for environmental clearance and presentation made by you, SEAC in its meeting dated 24.03.2018 has recommended a list of stipulated conditions for the project proposal.

SEIAA in the meeting dated 15.05.2018 approved the stipulated conditions for Environmental Clearance proposed by SEAC (copy of which is enclosed herewith).

You are requested to prepare the construction plan incorporating those conditions before submission of the same for building plan approval. The sanctioned building plan, along with a comparative statement of salient features between those in stipulated conditions and sanctioned plan may kindly be submitted in the secretariat of SEAC at Paribesh Bhavan, Salt Lake. The SEIAA shall consider the case only when it is ensured that the conditions listed in the enclosure have been properly addressed in the building plan.

Member Secretary, SEIAA

No. /224 /EN/T-II-1/082/2017

Date: 24th May, 2018

Copy forwarded for information to the Secretary, State Level Expert Appraisal Committee.

Sd/-
Member Secretary, SEIAA



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slevant parts of the minutes of the 154th SEAC meeting for stipulating conditions for environmental clearance of expansion cum modification of the proposed housing complex by /s. Sugam Promoters Pvt. Ltd. at 61, Lal Bahadur Shastri Road (formerly Haren Chandra anerjee Lane), JL No. 7, Mouza - Konnagar, PO - Konnagar, PS - Uttarpura, Ward No. 15 of Konnagar Municipality, Dist - Hooghly West Bengal.
ame of Environmental Consultant - M/s. Ultratech Environmental Consultancy and Laboratory

This has reference to the application for environmental clearance dated 09/11/2017 along with FORM I, CRM IA and other documents on the above referred project. This also refers to the letter dated 15/03/2017 for submission of clarification.

This is a proposal for construction of a housing complex comprising of 7 blocks: Building 1 - G+12, Building 2 - G+12, Building 3 - G+12, Building 4 - G+16, Building 5 - G+12, Building 6 - G+15, Building 7 - G+15, Building 8 - G+15, Building 9 - G+4, Club - G + 2 and retail building - G+4 storied. Total no. of flats will be 1810 nos. Total built up area will be 1,49,726 sq.m.

The project had already received Environmental Clearance for a built up area of 1,28,531.30 sq.m. vide Memo No. EN/325/T - II - 1/002/2010 dated 05.02.2013.

The above proposal has been considered in the 151st and 154th SEAC meetings held on 12/12/2017 and 14/03/2018 respectively.

Salient features of the proposed project are -

Project Phase	As per EC already received	As per Form I, IA Submission/Presentation	As per Revised Proposal
Land Area	59018.90 sqm (100%)	59018.90 sqm (100%)	59018.90 sqm (100%)
Gifted Land Area	1078.23 sqm (1.83%)	447.29 sqm (0.76%)	447.29 sqm
Net Land Area	-	-	58571.61 sqm
Nos. of flats	2619	1810 nos.	1784 nos.
Expected Population	10790 (Fixed), 1000 (Floating)	During Construction-1210 Persons, During Operation-11931 (permanent - 10462, Temporary - 1469)	During Construction-1200 Persons, During Operation-11719 (permanent - 9400, Temporary - 2319)
Total Water requirement	1555 KLD (operation Stage)	1518 KLD	1493 KLD
Fresh Water requirement	1140 KLD	923 KLD	907 KLD
Wastewater generated	1106 KLD	1126 KLD	1105 KLD
Wastewater recycled	415 KLD	595 KLD	586 KLD
Wastewater discharged	691 KLD	531 KLD	519 KLD
Solid waste disposal	4.17 TPD	5195 kg/day	5100 kg/day
Total Built-up Area	128531.30 sqm	149726 sqm	147285.43 sqm
Ground Coverage	16521.91 sqm (27.99%)	12698.33 sqm (21.52%)	11991.62 sqm (20.47%)

Project Phase	As per EC already received	As per Form I, IA Submission/Presentation	As per Revised Proposal
Total Green Area	15498.34 sqm (26.26%)	18083.58 sqm (30.64%)	17619.08 sqm (30.08%)
Exclusive Tree Plantation Area	11910.01 sqm (20.18%)	10510.24 sqm (21.98%)	9837.99 sqm (16.80% on total land area after deducting gift area and 21.39% on net land area by deducting the water body area)
Water Body Area	3.11 acres (12585.63 sqm) (21.3% of total land area)	2.73 acres (11057.57 sqm) (18.74%)	2.149 acres (12585.63 sqm) (21.49% of total land area after deducting gift area and 21.39% on net land area by deducting the water body area)
Total Paved Area	12797.12 sqm (21.68%)	14164.17 sqm (24.00%)	14008.08 sqm (23.92%)
Service Area	-	2567.96 sqm (4.35%)	2367.20 sqm (4.04 %)
No. of Plantation proposed	900 nos.	830 nos.	830 nos.
No. of Parking spaces proposed	900 nos.	830 nos.	830 nos.
Total Power requirement	7500 KVA, CESC (Open - 480, Covered - 68)	4491.25 KVA (3593 KVA), CESC	4491.25 KVA (3593 KVA), CESC
Backup Power	DG sets (9X250 KVA)	1X625 KVA, 2X500 KVA, 1X625 KVA, 2X500 KVA	1X320 KVA, 2X250 KVA, 1X320 KVA, 2X250 KVA
Block Details	3 nos. G+2, Building - 1 - G+12 storied Building - 2 - G+12 storied Building - 3 - G+12 storied Building - 4 - G+16 storied Building - 5 - G+12 storied Building - 6 - G+15 storied Building - 7 - G+15 storied Building - 8 - G+15 storied Building - 9 - G+4 storied Club - G+2 storied Building - 9a - G+4 storied Building - 10 - G+16 storied Building - 11 - G+16 storied Commercial Building - G+11 storied Building - 12 - G+16 storied Building - 13 - G+16 storied Building - 14 - G+16 storied Building - 15 - G+16 storied Building - 16 - G+16 storied Retail Building - G+4 storied Retail Building - G+4 storied	3 nos. G+2, Building - 1 - G+12 storied Building - 2 - G+12 storied Building - 3 - G+12 storied Building - 4 - G+16 storied Building - 5 - G+12 storied Building - 6 - G+15 storied Building - 7 - G+15 storied Building - 8 - G+15 storied Building - 9 - G+4 storied Club - G+2 storied Building - 9a - G+4 storied Building - 10 - G+16 storied Building - 11 - G+16 storied Building - 12 - G+16 storied Building - 13 - G+16 storied Building - 14 - G+16 storied Building - 15 - G+16 storied Building - 16 - G+16 storied	

Relevant parts of the minutes of the 154th SEAC meeting for stipulating conditions for environmental clearance of expansion/growth modification of the proposed housing complex by M/s. Sugam Promoters Pvt. Ltd. at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Banerjee Lane), JL No. 7, Mouza - Komnagar, PO - Komnagar, PS - Uttarpara, Ward No. 15 of Komnagar Municipality, Dist - Hooghly West Bengal.

Name of Environmental Consultant - M/s. Ultrech Environmental Consultancy and Laboratory

levant parts of the minutes of the 154th SEAC meeting for stipulating conditions for environmental clearance of expansion cum modification of the proposed housing complex by S. Sugam Promoters Pvt. Ltd. at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Banerjee Lane), JL No. 7, Mouza - Konnagar, PO - Konnagar, PS - Uttarpara, Ward No. 15 of Konnagar Municipality, Dist - Hooghly West Bengal.
one of Environmental Consultant - M/s. Ultratech Environmental Consultancy and Laboratory

The State Level Expert Appraisal Committee, West Bengal, hereby, proposes the stipulated conditions for environmental clearance as per the provision of Environmental Impact Assessment Notification 2006 and the subsequent amendments, on the basis of above mentioned features along with other details submitted to SEIAA, subject to strict compliance of the terms and conditions (whichever applicable at building sanction stage) mentioned below.

Part A - SPECIFIC CONDITIONS

Construction Phase

Capacity of labourers during construction:-

- i. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Water usage during construction should be optimized to avoid any wastage.
- ii. Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Sewage generated from the areas occupied by the construction labourers have to be directed into the existing sewage drain of the area. In case of non availability of the sewer system, an onsite treatment system has to be provided.
- iii. The scaffolds, stairs and platforms for construction works and the workers must be secured as far as possible to prevent any accident.
- iv. Health and safety of the workers should be ensured during construction. Personnel protective equipment like shoes, helmets, earmuffs, earplugs etc. should be provided to the workers. For vibration control damped tools must be used and the number of hours that a worker uses them must be limited. The Management must ensure that the workers put them while doing work that needs such protection, if any.
- v. Rest and convenience shelter for workers with crèche facility, if required, particularly women, must be provided with proper toilet facilities.

Provisions to avoid disturbance during construction:-

- i. The proponent should abide by the Construction and Demolition Waste Management Rules, 2016. All the topsoil excavated during construction activities should be under cover/stored by retaining walls for use in horticulture / landscape development within the project site. Adequate erosion and sediment control measures to be adopted before ensuing construction activities.
- ii. Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans should be developed for prior to beginning of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.
- iii. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and disposed off taking the necessary precautions for general safety and health aspects.
- iv. Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.
- v. Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peaking hours.
- vi. Ambient noise levels should conform to residential standards both during day and night. Fortnightly monitoring of ambient air quality (SPM, SO₂ and NO_x) and equivalent noise levels should be ensured during construction phase.
- vii. Construction spoils including bituminous material and other hazardous materials including oil from construction equipments must not be allowed to contaminate watercourses and the dumpsites for

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Secretary, State Expert Appraisal Committee, West Bengal

Regulatory parts of the minutes of the 154th SEAC meeting for stipulating conditions for environmental clearance of expansion cum modification of heavy machinery, oil trap should be installed where they should not leak into the ground water. It necessary, all such material must be secured so that they should not leak into the ground water.

M/s. Sugam Promoters Pvt. Ltd. at 61, Lal Bahadur Shastri Road (Formerly) Haron Complex by Banerjee Lane, Jl. No. 7, Mouza - Kornnagar, PO - Kornnagar, PS - Ultipara, Ward No. 15 of Kornnagar Municipality, Dist - Hooghly West Bengal.

Name of Environmental Consultant - M/s. Ultatech Environmental Consultancy and Laboratory

x. The proponent must ensure that no driven piles shall be proposed for this project, if there is any major 15-m-screen and adequate sprinkler arrangement shall be provided. Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to winds.

xii. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.

xiii. Adequate mitigation measures should be adopted to control dust emissions, noise and vibrations from construction activities. Vehicles and construction machinery should be properly maintained.

xiv. Locally available materials with less transportation cost should be used preferably.

xv. Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided to ensure vector control.

i. Use of energy efficient construction materials should be ensured to achieve the desired thermal comfort.

ii. Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.

iii. Fly Ash is to be used for construction as per Notification No. S.O. 753(E) dated 14.09.1999 amended dated 25.01.2016 of the Ministry of Environment & Forests, Govt. of India.

iv. Construction should conform to the plans and designs including structural design, standard and specifications from concerned authority.

v. Materials with low embodied energy and high strength should be used preferably.

vi. The building will be constructed and provided to use natural sunlight to the maximum during the day time, during use.

vii. Use of energy efficient lighting systems, e.g. High Pressure Sodium Vapor (HPSV) Lamps, LED etc. should be promoted. Solar energy should be used for outdoor lighting. All common area lighting will be LED system.

viii. Use of conventional materials and methods. Use of hollow unit masonry should be considered apart from the alternate building materials and methods. Use of hollow unit masonry should be considered.

ix. Passive solar cooling to be incorporated in building design. Buildings should be oriented for ensuring natural ventilation and day lighting.

x. Solar water heating arrangement will be done for water heating in certain areas.

xi. Solar water heating system should be done for outdoor lighting. All common area lighting will be LED system.

xii. Use of alternate building techniques should be considered.

xiii. Use of alternative construction materials and methods. Use of hollow unit masonry should be considered.

xiv. The building will be constructed and provided to use natural sunlight to the maximum during the day time.

xv. Construction techniques that require less material and possess high strength should be adopted.

xvi. Materials with low embodied energy and high strength should be used preferably.

xvii. The building will be constructed and provided to use natural sunlight to the maximum during the day time.

xviii. Use of alternative building materials and methods. Use of hollow unit masonry should be considered.

xix. The building will be constructed and provided to use natural sunlight to the maximum during the day time.

xx. Selection of materials for better energy efficiency.

xxi. Use of energy efficient construction materials should be avoided to ensure vector control.

xxii. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.

xxiii. Adequate mitigation measures should be adopted to control dust emissions, noise and vibrations from construction activities. Vehicles and construction machinery should be properly maintained.

xxiv. Locally available materials with less transportation cost should be used preferably.

xxv. Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided to ensure vector control.

xxvi. Accummulation / stagnation of water should be avoided to ensure vector control.

xxvii. Selection of materials for better energy efficiency.

xxviii. Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.

xxix. Fly Ash is to be used for construction as per Notification No. S.O. 753(E) dated 14.09.1999 amended dated 25.01.2016 of the Ministry of Environment & Forests, Govt. of India.

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xxxii. The building will be constructed and provided to use natural sunlight to the maximum during the day time.

xxxiii. Use of energy efficient lighting systems, e.g. High Pressure Sodium Vapor (HPSV) Lamps, LED etc. should be promoted. Solar energy should be used for outdoor lighting. All common area lighting will be LED system.

xxxiv. Use of conventional materials and methods. Use of hollow unit masonry should be considered apart from the alternate building materials and methods. Use of hollow unit masonry should be considered.

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- xii. Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light coloured, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.
- xiii. Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.
- xiv. Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.
- xv. Reduce hard paving-onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.
- xvi. Adequate open space, greenery and water bodies to be provided as per rules.
- xvii. Any proposed building with air-conditioning facility should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. Use of chillers will be CFC & HCFC free.
- xviii. Restrict the use of glazed surface as per National Building Code 2005 and as amended thereafter.
- xix. At least 1% of total demand load to be met from solar power source.

V. Water Body Conservation:-

- I. Existing water body of area 12585.63 sq.m.(21.30% of the land area) 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. The area and location of the water body should be incorporated in the sanctioned building plan of the concerned authority.

and Character :-

No construction activity is permitted under any circumstances on any designated water body or any plot of land characterized as wetland.

Plantation Proposal:-

- 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 without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules.
- iii. The proponent should plant at least 830 trees as proposed. 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.

Provision for Roof Top Gardening is mandatory.

Water supply:-

- i. Water requirement during construction phase shall be met from Konnagar Municipality. Ground water should not be abstracted without prior permission of the Competent Authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

Waste Treatment Plant:-

- i. As per the proposal during construction phase construction water must be treated and reused. Domestic waste water generated during construction phase must be treated in a septic tank followed by soak pit.

Worm water Management & Mitigation of Heat Island Effect:-

- i. Imperviousness of the site shall not exceed the NBC (National Building Code 2005 and as amended thereafter) standards for imperviousness factor applicable to different types of area.

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Secretary, State Expert Appraisal Committee, West Bengal

- Rainwater Harvesting Scheme:-**
- i. Adequate storage before per 5,000 square meters of built up area and storage capacity of minimum one recharge bore per day of minimum one recharge bore per day and levels to be submitted.
 - ii. The proportion must collect rainwater from roof-top catchments and reuse for various purposes after necessary cleaning. Adequate recharging time and storage provisions should be provided for harvesting rainwater.
 - iii. The proportion must ensure proper depth of recharge well for ground water recharging.
 - iv. Adequate irrigating storage should be provided as per norms.
 - v. Conform to the guidelines on Environment Management of Construction & Demolition Waste by CPCB, March 2017.
 - vi. Adequate provision shall be made for storage and segregation of solid waste and adequate means of access shall be provided.
 - vii. 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.
 - viii. Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
 - ix. The design of service road and the site and exit from the project area should conform to the norms made at the entry & exit. Proper traffic management plan should be adopted in consultation with standards of competent authority for traffic management. Bell mouth type arrangement should be adopted to the norms.
 - x. Capped wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.

Transport Management:-

- i. Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
- ii. Design of service road and the site and exit from the project area should conform to the norms made at the entry & exit. Proper traffic management plan should be adopted in consultation with standards of competent authority for traffic management. Bell mouth type arrangement should be adopted to the norms.
- iii. Capped wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.

- Solid Waste Management:-**
- i. Capped wastewater should be provided as per norms.
 - ii. Adequate storage and segregation of solid waste and adequate means of access shall be provided.
 - iii. 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.
 - iv. Adequate provision shall be made for storage and segregation of solid waste and adequate means of access shall be provided.
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 - viii. Capped wastewater should be provided as per norms.
 - ix. Capped wastewater should be provided as per norms.
 - x. Capped wastewater should be provided as per norms.

- Rain Water Harvesting Scheme:-**
- i. Minimum 50% of paved area on site should have previous paving or shaded under vegetation or topped with fine soil having porosity of 0.5 m higher.
 - ii. Adequate storm water drainage network to be designed for the project without disturbing the surrounding settlements. Storm water management plan should be implemented so as to prevent sudden discharge of excessive volume of storm water to the receiving waters thus reducing the shock load on the drainage system and impact on receiving water body.
 - iii. Disruption to the natural hydrology of the site should be minimized by reducing impervious cover, increasing on site infiltration and managing storm water by reducing impervious cover.
 - iv. Heat island effect should be minimized by use of shading or reflecting surfaces, mainly the surfaces that contribute to the heat island effect i.e. streets, sidewalks, parking lots and buildings. While roots should be provided in the buildings.
 - v. Adequate storm water drainage for the site should be provided in the buildings.

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Others:-

- i. Notification G.S.R. 94(E) dated 25.01.2018 issued by MoEF & CC, Government of India should be complied with.
- ii. Conform to the clause mentioned in the "Manual and standards for EC for large construction projects" published by MoEF & CC, Government of India.
- iii. Incorporate details of all dimensions and functional, positional arrangement of STP, Compost plant, Rainwater harvesting reservoir in the approved plan.
- iv. Scaled up drawings (both plan and section) of STP, compost plant and rainwater harvesting tank showing portion of adjacent areas mentioning the levels and entry/exit to the facilities to be submitted.
- v. Location of the said facilities in the floor plan mentioning the levels should be submitted.
- vi. Final site plan (in conformity with the final approved plan) showing Land use distribution with polyline and corresponding legend mentioning Area and Percentage of each use both in soft (Auto CAD 2010) & hard copy formats to be submitted.
- vii. All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.
- viii. Provision of Effective Controls and Building Management Systems such as Automatic Fire Alarm and Fire Detection and Suppression System etc. must be ensured.
- ix. Efficient management of indoor air quality must be ensured for health and safety of the users.
- x. Adequate measures to be adopted for water conservation during construction and operation stage.
Use of efficient irrigation equipment, evaporative cooling unit in air-conditioning system etc should be considered.
- xi. Rest room facilities should be provided for service population.
- xii. Adequate access to fire tenders should be provided.

II. Operation Phase

Water supply:-

- i. Water requirement shall be met from Konnagar Municipality supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- ii. Use of water meter conforming to ISO standards should be installed at the inlet point of water uptake to monitor the daily water consumption. Use of water efficient devices / fixtures and appliances should be promoted. Installation of dual flushing system should be considered to conserve water.
- iii. The proponent must practice rainwater harvesting on regular basis.

Sewage Treatment Plant:-

- i. As per the proposal submitted by the proponent, waste water shall be treated in STP. Treated waste water shall be partly reused for landscaping; internal road and pavement cleaning etc. and rest will be discharged to municipal drain. Necessary permission from the Competent Authority to be obtained.
- ii. Reuse of treated wastewater should be carried out as proposed.

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1. Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself as per CPCB norms.

2. The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.

3. Use of energy efficient construction materials to achieve the desired thermal comfort should be not exceed 0.4 Watts/m²/degree centigrade with appropriate modifications of building techniques. The provisions of National Building Code 2005 and as amended thereafter should be strictly followed.

4. Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used.

5. Energy efficient Motors and property rated Transformers should be installed. Manufacturers certificare to this effect shall be obtained and kept on record. Back up power supply should be based on cleaner fuel.

6. The power calling shall be adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage. Record of transmission losses shall be maintained. The transport system should be such that traffic will be calm in neighbourhoods. Traffic within the project site should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.

7. Use of public mode of transportation should be promoted. Use of the least polluting type of transport management.

8. Use of energy efficient parking space should be provided as per norms.

9. Pathways should be covered or shadowed by tree canopy as far as practicable. Transport system must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed off in consultation with concerned local body.

10. The proponent should abide by the Solid Waste Management Rules, 2016. The proponent must complete segregation of different categories of waste and ensure different coloured bins for different categories of waste and ensure movement) Rules, 2016. Collection and storage of hazardous wastes during pre-construction and

III. The proponent should abide by the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Collection and storage of hazardous wastes during pre-construction and

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Post-construction activity should be planned properly. The expected hazardous wastes should be disposed off separately as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

- iv. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from DG Sets should be disposed off through registered recyclers only.

Others :-

- i. The implementation of Environmental Management Plan should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.
- ii. The project proponent should provide guidelines to the users to ensure conservation of energy and water. In-house environmental awareness campaigns should be carried out at regular intervals to ensure environmental protection.
- iii. Fire fighting systems should be designed in compliance with the WBFS and NBC norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of the National Building Code 2005 and as amended thereafter.
- iv. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.
- v. The proponent should abide by the Direction issued by the Department of Environment, Government of West Bengal, vide No. EN/3170/T-IV-7/001/2009 dated 10.12.2009.
- vi. Environmental Management Information System shall be maintained properly.
- vii. The proponent should restrict the use of glazed surface as per National Building Code 2005 and as amended thereafter.

Part-B GENERAL CONDITIONS

1. The environmental safeguards contained in the EMP Report should be implemented.
2. All the conditions, liabilities and legal provisions contained in the Stipulated conditions for Environmental Clearance (SCEC) shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
3. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase.
4. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.
5. In case of any violation of the conditions laid down in this SCEC, Section 16 of The Environment (Protection) Act, 1986, will be applicable. In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEAC, West Bengal.
6. The State Expert Appraisal Committee, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the stipulated conditions for environment clearance under the provisions of the Environmental (Protection) Act,


Secretary, State Expert Appraisal Committee, West Bengal
M.

Secretary, State Expert Appraisal Committee,
Chairman, State Expert Appraisal Committee,
West Bengal
(Sandipan Mukherjee, IPS)

10. The final Environmental Clearance shall be accorded by the State Environmental Impact Assessment Authority, West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority. West Bengal after submission of master site plan of the whole project sanctioned by the concerned authority.
9. These stipulations would be enforced among others under the provisions of the Water Prevention & Control of Pollution Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment Protection (Protection) Act, 1986, the Public Liability (Injury) Act, 1991 and EIA Notification 2006 including the amendments and clarifications therein.
8. Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustainable Operations and Maintenance (QEM) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc), even after transfer of ownership of the project, should be made in explicit and transparent manner.
7. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Civil Aviation Department (if required) etc, shall be obtained by project proponents from satisfactory manner.
- 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.

Laboratory
Name of Environmental Consultant - M/s. Ultratech Environmental Consultancy and Kormaghat Municipal Dist - Hooghly West Bengal
Banjejee Lane), Jl. No. 7, Moza - Kormaghat, PO - Kormaghat, PS - Ultratech, Ward No. 15 of M/s. Sugam Promoters Pvt. Ltd, at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Relocation parts of the minutes of the 154th SEAC meeting for stipulating conditions for expansion cum modification of the proposed housing complex by relevant authorities of the concerned local body. M/s. Sugam Promoters Pvt. Ltd, at 61, Lal Bahadur Shastri Road (formerly Haren Chandra Relocation parts of the minutes of the 154th SEAC meeting for stipulating conditions for expansion cum modification of the proposed housing complex by relevant authorities of the concerned local body.