



K H e m a n i

Future ready

Date: 11/09/2023

To,
Regional Officer,
Maharashtra Pollution Control Board (MPCB),
3rd and 4th Floor, Kalpataru Point
Opp. PVR Theatre, Sion (E),
Mumbai, Maharashtra.

Sub: Submission of Compliance Report for Slum Rehabilitation Scheme project on land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai for "Shivshakti Nagar Co-operative Housing Society Ltd. by **Bombay Slum Redevelopment Corporation Ltd.**

Ref: Environmental Clearance letter no. SEIAA-EC-0000001419 dated. 26.03.2019.

Dear Sir,

This is with reference to Environmental Clearance letter no. SEIAA-EC-0000001419 dated. 26.03.2019 from SEIAA, Department of Govt. of Maharashtra.

We are enclosing here with the detailed Compliance report (from October 2022 to March 2023) along with duly filled data sheet.

Thanking you,
Yours faithfully,

For BOMBAY SLUM REDEVELOPMENT CORPORATION LTD.



Authorized Signatory

Enclosed: Copy of Compliance Report for the period of October 2022 to March 2023.

Cc:

1. Environment Department, Mantralaya, Mumbai
2. Director, MoEF, Nagpur

Bombay Slum Redevelopment Corporation Pvt. Ltd.

Corporate Office : 707, Trade Centre, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051. | Tel: +91-22-6112 7777

Email: corporate@khemani.co.in | Website: www.khemani.co.in

CIN

: U70100MH1995PTC089539

COMPLIANCE REPORT

(OCTOBER 2022 TO MARCH 2023)

For

PROPOSED SLUM REHABILITATION SCHEME PROJECT

"SHIVSHAKTI NAGAR CO-OPERATIVE HOUSING SOCIETY LTD."

(ENVIRONMENTAL CLEARANCE LETTER NO. SEIAA-EC-0000001419 dated. 26.03.2019)

On land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State - Maharashtra

Proposed By

**M/S. BOMBAY SLUM REDEVELOPMENT
CORPORATION LIMITED**

Project Details

Sr. No.	Particulars	Details
1	Project type :River- valley/mining /Industry/Thermal/Nuclear/other(specify)	Construction Project (Redevelopment)
2	Name of the Project	Proposed Slum Rehabilitation Scheme project
3	Clearance letter(s)/OM and Date	EC letter No. : SEIAA-EC-0000001419 dated. 26.03.2019
4	Location	On land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State - Maharashtra.
	a) District(s)	Mumbai
	b) State(s)	Maharashtra
	c) Latitude/Longitude	19°12'27.21"N 72°50'47.67"E
5	Address of correspondence	
	a) address of concerned Project Chief Executive (with pin code & telephone/telex/fax numbers)	Mr. Priyank K Hemani BOMBAY SLUM REDEVELOPMENT CORPORATION LIMITED. 605, 6 th floor, Trade Center, Opp. MTNL Tel. Exchange, BKC, Bandra- East, Mumbai. E mail: priyankhemani@khemani.co.in.
	b) Address of Executive Project Engineer/Manager(with pin code/fax numbers)	Same as above
6	Salient features	
	a) of the Project	
	b) of the Environmental Management Plan	Details of the Sewage Treatment Plant of 2,220 KLD capacity, Rain Water Harvesting and Solid waste management through OWC are given in Annexure
7	Breakup of the project area	
	a) submergence area : forest & non-forest	NA
	b) Others	Total Plot area:30,100.30 m ²
		FSI area 1,34,811.12 m ²
		Non FSI Area 2,72,954.6 m ²
		Total Construction Area 2,72,954.6 m ²

8	Breakup of the project affected population with enumeration of those losing houses/dwelling unit only agricultural land only, both dwelling units & agricultural land & landless laborers/		
	a) SC, ST / Adivasis	N.A.	
	b)others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey)	N.A.	
9	Financial details:		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference	Rs.604 Crore	
	b) Allocation made for environmental management plans with item wise and year wise break-up	Construction Cost	835 Lakhs
		Operation & Maintenance Cost	164 Lakhs/Y
	c) Benefit cost ratio/Internal rated of Return and the year of assessment	N.A.	
	d) Whether (c) includes the cost of environmental management as shown in the above	N.A.	
	e) Actual expenditure incurred on the environmental management plans so far	N.A.	
10	Forest land requirement	No Forest Land Required	
	a) The status of approval for diversion of forest land for non-forestry use	N.A.	
	b) The status of clearing felling	N.A.	
	c) The status of compensatory	N.A.	
	d) afforestation, if any	N.A.	
	e) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	N.A.	
11	The status of clear felling in non-forest area (such as submergence area of reservoir, approach roads), if any with quantitative information	N.A.	
12	Status of construction		
	a) Date commencement (Actual and/or planned)	N.A.	
	b) Date of completion (Actual and /or planned)		
13	Reasons for the delay if the project is yet to start	NA	

14	Dates of site visits	
	a) The dates on which the project was monitored by the Regional office on previous occasions, if any	Site not yet visited by official of MoEF Regional Office, Nagpur.
	b) Date of site visit for this monitoring report	Not yet finalized.
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits) (The first monitoring report may contain the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)	Environmental Clearance letter No. SEIAA-EC-0000001419 dated. 26.03.2019 received from SEIAA, government of Maharashtra.

PRESENT CONSTRUCTION STATUS OF PROJECT SITE

Sr. No.	Building Name	Work Status
1	Composite Bldg. No 1	Constructed and Occupied
2	Composite Building No.2 (Wing A and Wing B)	Constructed and Occupied
3.	Composite Building No.3 (Wing A and B)	Constructed and Occupied
4.	Composite Building No.3 (Wing C & D)	Wing C : Constructed Wing D : Part Portion constructed
5.	Composite Building No.3 Wing E & F	Not started yet.
6.	Composite Building No.3 Wing G	Under construction
7.	Composite Building No.3 Wing H	Constructed
8.	Composite Bldg. No. 3 Wing I	Constructed and occupied.
9.	Sale Building No. 4	Not started yet.
10	Sale Building No. 5	Not started yet.

Compliance to Environmental Clearance Letter No. SEIAA-EC-0000001419 dated. 26.03.2019.

CONDITIONS		
Specific Condition:-		
	Conditions	Compliance
I.	MCGM to ensure that SWD work will be in line with BRIMSTOWAD report as finalized from time to time and other specific guidelines issued by Irrigation / Water Resource department or Water Commission as regards constructions near Poisar river to avoid flooding/ water logging in the area.	Noted
II.	PP to stick to the design of main storm water drain wherein invert level of internal storm water drains is above the high flood level of the stream.	We agree
III.	PP informed that, they have applied for CFO NOC but same has still not been granted. The PP to upload CFO NOC as soon as granted and abide by it. PP agreed that he will provide 6 meter wide drive way with 9 meter turning radius all around buildings including building number 4 and will also provide fire hydrants on top of podium all around and separate staircase for access to fire hydrants on podium. CFO while granting NOC to ensure all fire proof arrangements.	We have obtained the CFO Noc's . We have provide the 6m wide drive way with 9m turning radius all around building
IV.	PP agreed to club maximum possible distributed RG total 8% RG on Mother Earth.	Noted we agree
V.	PP to ensure that, no nalla should be diverted or closed and also to facilitate maintenance & De-silting operation 3mt & 5mt clear access shall be maintain within the holding along the nalla & this access shall be free of any encumbrance.	Noted
VI.	PP to ensure the maximum use of recycled water.	We have recycled around 37% of the treated water in the project.

VII.	PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area	Not Applicable as per the MoEF & CC OM F.No. 22-65/2017-IA.III dt. 25.02.2021.
VIII.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt. 04.01.2019.	We agree
X	PP to submit CER plan to Municipal Commissioner, PCMC and submit the acknowledgement copy to submitted to Member Secretary, SEIAA.	Not Applicable as per the MoEF & CC Om F.No. 22-65/2017-IA.III dt. 25.02.2021.
XI	SEIAA decided to grant EC for: FSI: 113057.30 m ² , Non FSI: 126255.05 m ² & Total BUA: 239312.35 m ² . (IOD no. SRA/ENG/107/RS/ML/LOI, Approval Date-06.04.2017) PP to submit CFO NOC.	We agree
GENERAL CONDITIONS		
I.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	The household E-waste has been disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Noted
III.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Not Applicable. The project is located outside the ESZ area of SGNP.

IV.	PP has to abide by the conditions stipulated by SEAC& SEIAA.	We abide by the conditions stipulated by SEAC & SEIAA.
V.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along the survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Building plans are approved by SRA as per norms.
VI.	If Applicable “Consent for Establishment” shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment Department before start of any construction work at the site.	Noted.
VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Adequate sanitary and hygienic measures provided. Shelters, Drinking water, clean spaces and fuel for cooking, Solid waste disposal bins and toilets are provided at site. These have been maintained in clean and operative condition for completed period of construction.
VIII.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate drinking water and sanitary facilities is provided to Workers. The waste generated from the labour is mostly household waste which is disposed on site.
IX.	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filing after	The solid waste generated is properly collected, Segregated. Dry/inert solid waste is send to disposed site through vendor.

	recovering recyclable material	
X.	Disposal of muck during construction phase should 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.	<p>The muck is disposed with the permissions of competent authority at approved site.</p> <p>As a precaution, we have barricaded to create general safety and health aspects of people.</p> <p>Re-utilization strategy for construction debris is followed. Recycled aggregate is used for filling application.</p>
XI.	Arrangement shall be made that waste water and storm water do not get mixed.	The Storm water drains and sewer lines are separately provided on site. This arrangement shall ensure that storm water and sewage will not mix.
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	As project is SRA scheme, topsoil is not used.
XIII.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	<p>Natural drainage system of area is not disturbed.</p> <p>The construction is done by taking advantage of natural contour.</p>
XIV.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	<p>The landscape will be developed considering CPCB guidelines including selection of plant species. The tree species which planted are of local variety.</p> <p>20 trees are existing on site.</p>
XV.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	<p>Soil and water samples are tested from MoEF recognized laboratory.</p> <p>The monitoring reports are attached.</p> <p>As there is no source of the ground water, so ground water samples are not tested.</p>
XVI.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminant	<p>Such types of wastes are not anticipated in this activity.</p> <p>However, all possible measures were</p>

	watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	taken to avoid contamination of water bodies/streams.
XVII.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Project being residential real estate no hazardous waste is expected during construction and operation phase.
XVIII.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	DG set will be provided on site. The D. G. set will be enclosed type and as per CPCB norms.
XIX.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	The diesel will be procured as and when required.
XX.	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 should be operated only during non-peak hours.	<ul style="list-style-type: none"> ✓ Regular maintenance of construction vehicles is carried out to keep them in good condition. The vehicles having PUC certificate is used. ✓ Adequate parking space is made for construction vehicles inside the construction premises to lessen the impacts on traffic in surrounding areas.
XXI.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ MPCB.	The noise levels as well as air pollution are monitored regularly from MoEF recognized laboratory. The monitoring reports are attached.
XXII.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and	Fly ash containing bricks (AAC Type) are used for construction.

	amended as on 27th August,2003.(The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations)	
XXIII.	Ready mixed concrete must be used in building construction.	Ready mix concrete is used for building construction.
XXIV.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	The provision of Roof top rain water harvesting through collection tank is made. The stored water is utilized for flushing purpose. The overflow of the tank is connected to the Municipal Storm Water drains. The Storm water drains are constructed as per approvals.
XXV.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Complying the same by use of pre-mixed concrete, curing agents and other best practices in NBC.
XXVI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	We are not using the ground water in the project.
XXVII.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	STP has been provided to the completed building. Sewage treated up to tertiary level. The treated sewage is reused for gardening and flushing purpose. STP of 300 KLD is provided.

XXVIII.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/ operation of the project.	We are not using ground water in the project for construction and operational phase.
XXIX.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Instead of grey and black water separation, we have made the provision of STP. Dual plumbing lines will be used for recycling water and fresh water.
XXX.	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Water efficient sanitary features include showers, low flush, dual cisterns are provided.
XXXI.	Use of the glass may be reduced up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The use of glass is less than 40%.
XXXII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Roof is as per the prescriptive requirement specified in Energy Conservation Building Code
XXXIII.	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use 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. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters systems. Project proponent should install, after checking	Solar street lights and solar hot water system has been provided.

	feasibility, solar plus hybrid non conventional energy source as source of energy.	
XXXIV.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase 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 low sulphur diesel. The location of DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	During operation phase the provision of DG Sets shall be as per EPA-1986 as well as, guidelines for DG Set installation shall be followed. All DG Sets shall be with acoustic enclosures and will be using low Sulphur diesel. The stack heights shall be as per MPCB prescribed norms.
XXXV.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise levels as well as air pollution are monitored regularly from MoEF recognized laboratory. The monitoring reports are attached.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Entry & exit to the proposed project are located in such way that it will not affect traffic on the adjoining roads. Also sufficient parking space is provided.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	The buildings are not air-conditioned, these are Residential buildings hence ECBC code is not applicable in the instant case. However, we have used SIPOREX BLOCK.
XXXVII I.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	The Buildings have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation to the premises.
XXXIX.	Regular supervision of the above	The Regular supervision is carried out by

	and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	the project in-charge and supervisors are trained in Environmental Management measures.
XL.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Noted
XLI.	Six monthly monitoring reports should be submitted to the Regional office MOEF with copy to this Department and MPCB.	The six-monthly Compliance Monitoring Reports are sent to RO MoEF & CC Nagpur, Env. Dept. Govt. of Maharashtra and RO, MPCB.
XLII.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained	Green belt facilities, MSW facility has been provided on site.
XLIII.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	Wet garbage will be treated by Organic Waste Converter and treated waste (manure) shall be utilized in the existing premises for gardening. 1 OWC of 400 KG per Day capacity is installed on site.
XLIV.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	We agree

XLV.	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	Noted
XLVI.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted will complied.
XLVII.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	At present project head himself is managing environment issues. However, the Cell shall be formed and it shall be responsible for necessary environmental safeguards.
XLVIII.	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	<p>The funds for implementation of environmental protection measures/EMP are provided as per planned requirement.</p> <p>Expenditure on EMP is being done as planned. The entire environmental infrastructure like STP, Rainwater harvesting and Solar hot water system has been provided for the constructed buildings.</p>
XLIX.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	<p>Copy of the advertisement was published in two local Newspapers Navshakti and Free Press Journal.</p> <p>Copy of the same is attached in Annexure</p>
L.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st	We have submitted the six monthly compliance reports to RO, MPCB, Environment Department, Mumbai & RO, MoEF & CC Nagpur.

	June & 1st December of each calendar year.	
LI.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Environmental Clearance copy is submitted along with the application of approved plan to the respective authority.
LII.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (Ambient level as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<p>We will upload the status of compliance of the stipulated EC conditions, including results of monitored data.</p> <p>We have submitted the six monthly compliance reports to RO MoEF & CC Nagpur, Environment Department Mumbai and RO MPCB.</p>
LIII.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	We have submitted the six monthly compliance reports to RO MoEF & CC Nagpur, Environmental Department, Mumbai and RO MPCB.
LIV.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the	Six monthly reports regarding the status of compliance of EC conditions are regularly sent to all mandated authorities.

	company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Officers of MoEF by e-mail.	
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him. If any or action initiated under EP Act.	We understand the issue and shall be abided accordingly.
5	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment department will revoke or suspend the environmental clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted
6	The Environmental department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	We agree
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid for a period of 5 years.	Noted
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional	We agree

	environmental protection measures required, if any.	
9	The above stipulations would be enforced among others under the Water (Prevention and control of pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted
10	Any appeal against this environmental clearance shall lie with the National Green Tribunal, Van Vigyan Bhawan, Sec -5, R.K. puram, New Delhi - 110022, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

ANNEXURE –I

PROJECT DETAILS

Project Name	Proposed Slum Rehabilitation Scheme project for “Shivshakti Nagar Co-operative Housing Society Ltd.”
Location	On land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai
Developer Name	Bombay Slum Redevelopment Corporation Ltd.
EC Details	ENVIRONMENTAL CLEARANCE LETTER NO. SEIAA-EC-0000001419 dated. 26.03.2019

AREA STATEMENT:

Sr. No.	Details	Area
1.	Plot Area	30,100.30 m ²
2.	FSI area	1,34,811.12 m ²
3.	NON FSI area	1,38,143.48 m ²
4.	Total Construction area	2,72,954.60 m ²

ANNEXURE - II

WATER BALANCE

Water Demand	Quantity	Unit
Water consumption	2,240	KLD
Sewage generation	2,085	KLD
STP capacity	2,220	KLD
Recycling		KLD
Treated water is recycled & used for flushing	2,064	KLD
Treated water used for gardening	12	KLD
Excess Treated Water is disposed in Municipal Sewer Line	1,306	KLD

Particulars	No of Flats /Shops	Occupancy	Total Population	Water Requirement Basis (in lpcd)*		Total Water Requirement/ person	Water Demand KLD
				Domestic	Flushing		
Residential Flats (Rehab)	1,780	5	8,900	90	45	135	1,202
Shops (Rehab)	49	3	147	25	20	45	7
Amenity area (Rehab)	1,419	1 Person/ 10 m ²	142	25	20	45	6
Residential Flats (Sale)	1,498	5	7,490	90	45	135	1,011
Shops (Sale)	19	3	57	25	20	45	3
Amenity area (Sale)	1,200	1 Person/ 10 m ²	120	25	20	45	5
Sub-Total			16,856				2,234
Swimming pool Make-up							6
Total							2,240
Sewage Generation				90 % of Domestic & 100 % of Flushing Requirement			2,085
Sludge				1 % of Sewage Generation			21
Recycling for Flushing							
Residential Flats (Rehab)	1,780	5	8,900		45	45	445
Shops (Rehab)	49	3	147		20	20	3
Amenity area (Rehab)	1,419	1 Person/ 10 m ²	142		20	20	3
Residential Flats (Sale)	1,498	5	7,490		45	45	293
Shops (Sale)	19	3	57		20	20	1
Amenity area (Sale)	1,200	1 Person/ 10 m ²	120		20	20	2
Total			16,856				747
Recycling for Gardening (m ²)		2342				5l/m ²	12
Excess Treated Water to sewer line							1,306

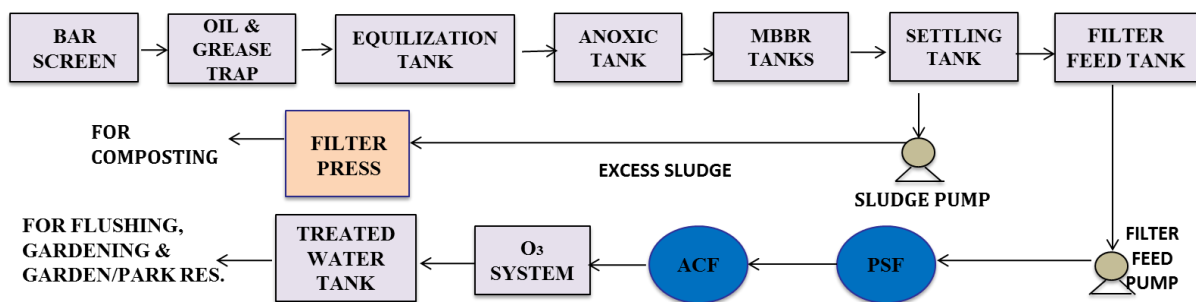
ANNEXURE II

Sewage Treatment Plant

Sewage Generation: 2,085 KLD

STP Capacity : Total 8 STP's Capacity: 2,220 KLD

Technology Used: MBBR Technology



ANNEXURE - III

SOLID WASTE MANAGEMENT PLAN

- Wet Garbage: 3255kg/day.
- Dry Garbage: 2170 kg/day.
- E Waste: 0.5 T/yr., separate storage place is provided for E Waste
- The biodegradable and non-biodegradable waste will be segregated at source of waste generation. Then this will be separately disposed in municipal waste disposal system.
- Biodegradable garbage will be composted using organic waste converter (OWC).

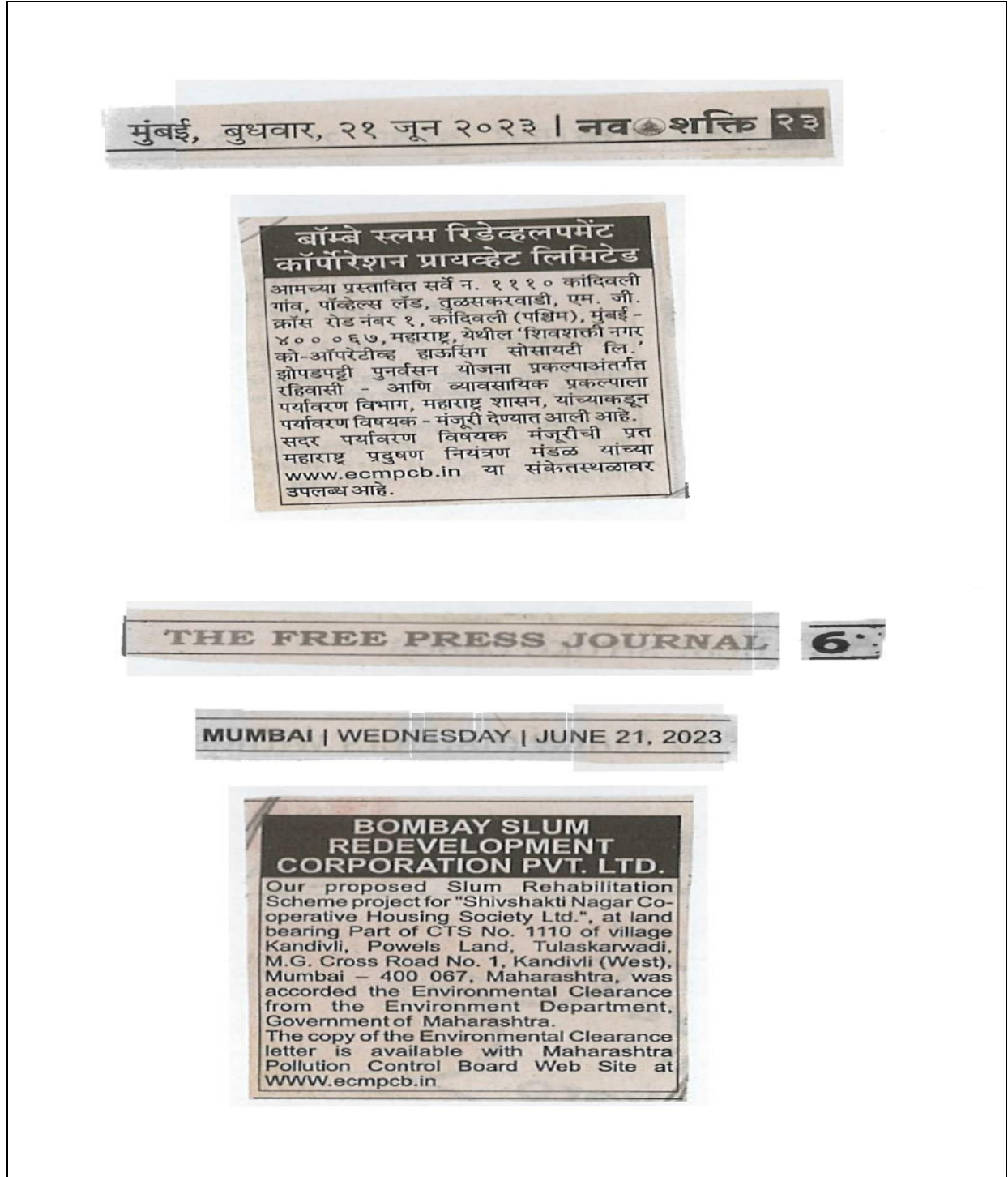
ANNEXURE IV

EMP COST

Component	Capital Cost (Rs. In Lakhs)	O & M Cost (Rs. In Lakhs/year)
STP (Tertiary)	440	88
Solar PV panels and solar Hot Water system	145	7
Rain Water Harvesting	97	5
Solid waste Composting plant	132	53
Landscape development	21	3
Environmental Monitoring	-	8
Total Cost	835	164

ANNEXURE V

NEWSPAPER ADVERTISEMENT



ANNEXURE VI

SITE PHOTOGRAPHS

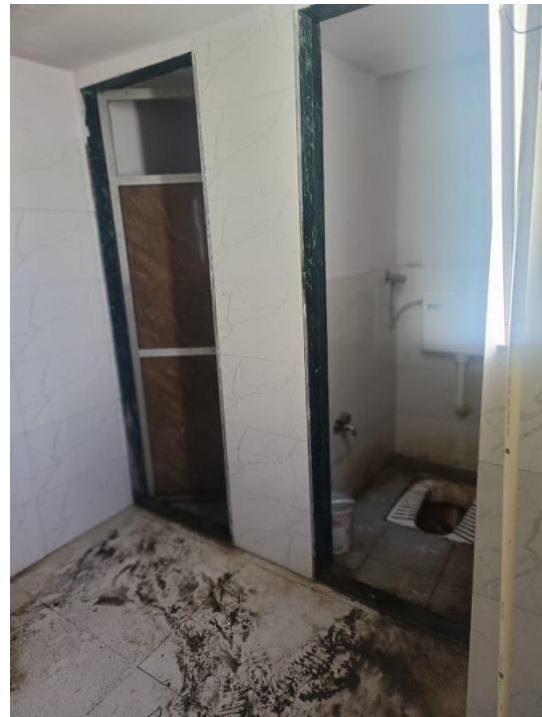
BUILDING CONSTRUCTION PHOTOGRAPHS



LABOUR CAMP PHOTO



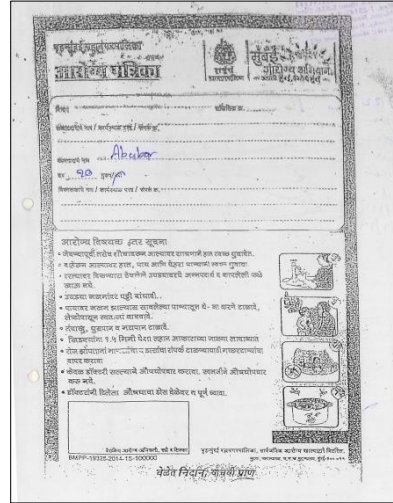
TOILET FACILITY PROVIDED TO LABOURS



DRINKING WATER SUPPLY TO THE WORKERS



HEALTH CARD REPORT OF THE WORKERS



OWC



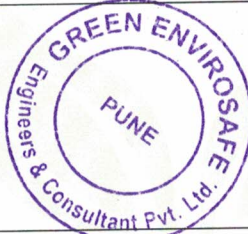

STP





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TEST REPORT

Test Report No: -	GESEC/PRO/AAQM/2022-23/03/1493	Report Date	31.03.2023		
Sample ID: -	GESEC/PRO/AAQM/2022-23/03/1493				
Name & Address of the Customer	M/s Bombay Slum Redevelopment Corporation Limited. at land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State – Maharashtra				
AMBIENT AIR SAMPLE DETAILS					
Type	Sampling Location	Sampling done by	Sampling Time (Total Hrs)		
Ambient Air	Project Site	Pristine Consultants	8 Hrs.		
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date		
23.03.2023	24.03.2023	24.03.2023	30.03.2023		
Parameters	Method	Unit	NAAQ Standards	Result	
Particulate Matter PM ₁₀	IS:5182 (PART 4):2019	µg/m ³	≤ 100	85.2	
Particulate Matter PM _{2.5}	IS:5182 (PART 24):2019	µg/m ³	≤ 60	36.8	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/m ³	≤ 80	31.4	
Oxide of Nitrogen (NO ₂)	IS:5182 (PART 6):2018	µg/m ³	≤ 80	36.5	
Remark- ➤ All above results are within National Ambient Air Quality standards. ➤ BDL – Below Detectable Limit.					
				 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

END OF REPORT


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6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.



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TEST REPORT			
Test Report No: -	GESEC/PRO/ANLM/2022-23/03/1494	Report Date	31.03.2023
Sample ID: -	GESEC/PRO/ANLM/2022-23/03/1494		
Name & Address of the Customer	M/s Bombay Slum Redevelopment Corporation Limited. at land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State – Maharashtra		
AMBIENT NOISE SAMPLE DETAILS			
Type	Ambient Noise		
Sampling done by	Pristine Consultants		
Standard method	As Per IS: 9989:2020		
Date of Monitoring	24.03.2023		
Timing of Monitoring	Unit	Results	CPCB Standards dB(A)
Location	Project site		
Day	dB(A) Leq	53.4	55*
Night	dB(A) Leq	44.8	45*
Remark-			
<ul style="list-style-type: none"> ➤ Limit During Day time < 55. (Day time shall mean from 6.00 am to 10.00 pm.) Limit During Night time < 45. (Night time shall mean from 10.00 pm to 6.00 am.) ➤ *As per Code of practice for Controlling Noise prescribed by Noise Pollution Committee from Sources other than Industries and Automobiles, the maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq (5 min.) in other areas. http://envfor.nic.in/citizen/specinfo/noise.html 			
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	



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TEST REPORT

Test Report No – GESEC/PRO/DW/2022-23/03/1495	Date of Reporting	31.03.2023
Sample ID - GESEC/PRO/DW/2022-23/03/1495	Sample Details	Drinking Water
Name & Address of the Customer - M/s Bombay Slum Redevelopment Corporation Limited. at land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State – Maharashtra	Type of Sample	Water
	Volume Of Sample	2 Lit Plastic Can
	Sample Status	Sealed
	Sample Collected By	Pristine Consultants
	Date of Sample Collection	23.03.2023
	Date of Sample received in lab	24.03.2023
	Analysis start Date	24.03.2023
	Analysis End Date	30.03.2023
	Sampling Location :	Project site

WATER ANALYSIS REPORT

Parameter	Result	Limits as per IS 10500:2012	Unit(s)	Standard Method
Physical Parameter				
Turbidity	<1	Max1	NTU	IS:3025(part10):2019
TDS	142	Max 500	mg/l	IS :3025(part 16):2017
Color	<5	Max 5	Hazen	IS:3025 (part 4):2021
Chemical Parameter				
pH	7.86	6.5 to 8.5	--	APHA 4500, 23 rd Edition:2017
Total Hardness	178	Max 200	mg/l	IS:3025 Part-21:2019
Total Alkalinity	102	Max 200	mg/l	IS:3025 Part-23:2019
Sulphate	BDL	Max 200	mg/l	IS:3025 Part-24:2019
Chloride	96	Max 250	mg/l	IS:3025 Part-32:2019
Calcium (as Ca)	12.3	Max 75	mg/l	IS:3025 Part-40:2019
Magnesium (as Mg)	5.2	Max 30	mg/l	APHA 3500- Mg, B, 23 rd Edition:2017
Elemental Analysis				
Iron as Fe	<0.1	Max 0.3	mg/l	IS:3025(part 2):2019
Microbiological Parameter				
Total Coliform	Absent	Absent	/100ml	IS 15185:2016
<i>E.coli.</i>	Absent	Absent	/100ml	IS 15185:2016

Remark(s):

- The above water sample is Comply with required limit as per IS 10500:2012.



V. Hande
Mr. Vinod Hande
(Technical Manager)
Reviewed & Authorized By

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TEST CERTIFICATE			
Report No: GESEC/PRO/SO/2022-23/03/1496		Date of Report 31.03.2023	
Sample ID: GESEC/PRO/SO/2022-23/03/1496		Date of Sampling 23.03.2023	
Name and Address of the Customer - M/s Bombay Slum Redevelopment Corporation Limited. at land bearing Part of CTS. No. 1110 of village Kandivali, situated at Powels land, Tulaskarwadi, M. G. Cross Road No. 1, Kandivali (West), Mumbai, State – Maharashtra		Start Date of Analysis 24.03.2023	
		End Date of Analysis 30.03.2023	
		Sample Details soil	
		Nature of sample solid	
Sample Collected By		Pristine Consultants	
Parameter	Result	Unit	Standard Method
Colour	Black	--	---
pH	7.64	--	IS:2720(Part 26),Rev:2016
Water Content/Moisture	2.2	%	IS 2720(Part 22)2020
Electrical Conductivity	4.8	mhos/Cm	IS 14767:2021
Organic Carbon	5.6	%	IS 2720 (Part 22)
Cation Exchange Capacity	38.6	Meq/100g m	Methods Manual, Soil Testing in India (Dept of Agriculture and Cooperation, Ministry of Agri. Government of India, page No.74 to 75)
Available Nitrogen	58.6	mg/Kg	Soil Analysis a laboratory Manual by P.K. Behra
Available Phosphorous as PO4	33.6	mg/Kg	Method manual, Soil testing in India (Department of agriculture and cooperation, Ministry of agri. Government of India, Page No.95:2011)
Available Potassium as K	66.2	mg/Kg	Method manual, Soil testing in India (Department of agriculture and cooperation, Ministry of agri. Government of India, Page No.149:2019)
Sodium	2.2	PPM	ICARDA Method of soil, plant and water analysis Page No. 111 to 113
Copper	<2	PPM	USEPA/SW/846/7000 B
Zinc	<2.5	PPM	USEPA/SW/846/7000 B
Total Chromium	<5	PPM	USEPA/SW/846/7000 B
Cadmium	<5	PPM	USEPA/SW/846/7000 B
Lead	<1	PPM	USEPA/SW/846/7000 B



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