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KUTCHI SARVODAYA NAGAR



(Founder and Prerak: Sevabhavi Munishri Shubhviyaji Maharaj)

P. L. Lokhande Marg, Near Narayan Guru High School, Opp. Gaikwad Nagar Police
Chowki, Govandi, MUMBAI – 400 043.

Date: 01.06.2024

To,

Maharashtra Pollution Control Board,
Kalpataru Point, 3rd and 4th floor,
Road No. 8, Sion Cercal,
Opp. PVR Theater, Mumbai,
Maharashtra – 400022

Subject: Submission of Six-Monthly Compliance Report for the Period of June 2024 for our Proposed Residential Building Project at Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai by Kutchi Sarvodaya Nagar Trust, as per the Revalidation of Environmental Clearance on 3rd October 2018, where Environmental Clearance letter received dated on 4th July 2011.

Reference: Revalidation of Environment Clearance on 3rd October 2018, where Environment Clearance Letter Received dated on 4th July 2011.

Respected Sir,

With reference to above subject, we have obtained an Environmental Clearance for Proposed Residential Building Project at Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai by Kutchi Sarvodaya Nagar Trust.

Our Project was recommended in State Level Expert Appraisal Committee-II, Maharashtra in its 31st & 33rd meeting & by SEIAA in 33rd meeting. Environmental Clearance is granted with conditions on dated 4th July 2011 & Revalidation of Environmental Clearance meeting on 33rd October 2018 by SEIAA.

As per the condition stipulated in the Environmental Clearance letter, we are hereby submitting our **Six-Monthly Compliance Report for June 2024** with due Annexures (Environment Monitoring Reports) for our project.

We hereby request you to kindly accept the same.

Thanking you

Yours Faithfully,

For KUTCHI SARVODAYA NAGAR TRUST

Managing Trustee



**ENVIRONMENTAL CLEARANCE
SIX MONTHLY COMPLIANCE REPORT**

FOR THE PERIOD OF

JUNE 2024

FOR

“PROPOSED RESIDENTIAL BUILDING PROJECT”

‘KUTCHI SARVODAYA NAGAR TRUST’

CTS No: 5/10/1 to 5/10/6

AT

**VILLAGE BORLA, TALUKA & DISTRICT- KURLA, ‘M’ WARD
CHEMBUR (E), MUMBAI**

BY

KUTCHI SARVODAYA NAGAR TRUST

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INTRODUCTION

The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee, Maharashtra in its **31st & 33rd** meeting and recommend the project for prior Environmental Clearance to SEIAA.

Information submitted by proponent has been considered by State Level Environment Impact Assessment Authority in its **33rd** meeting held on 28th January, 2011. It is noted that the proposal is considered by SEAC under screening category 8 (a) as per EIA Notification 2006.

ENVIRONMENTAL CLEARANCE DETAILS-

The proposal has been considered by SEIAA in its **33rd** with date of Issue of EC – **4th July, 2011** (EC Identification No. – **SEAC-2010/CR.612/TC.2** & decided to accord Environmental Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of specific and general terms and conditions.

PROJECT DETAILS

Sr. No.	Particulars	Basic Information
1.	Name of Project	Kutchi Sarvodaya Nagar Trust, Proposed Residential Building Project at Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai.
2.	Name of Project Proponent, Address & Email Id	M/s. Kutchi Sarvodaya Nagar Trust, P.L. Lokhade Marg, Near Narayan Guru High School, Opp. Gaikwad Nagar Police Chowky, Chembur / Govandi, Mumbai – 400023.
3.	Location of the Project	CTS No 5/10/1 to 5/10/6 of village Borla, Kurla, 'M' ward, Chembur, Mumbai.
4.	Note on the initiated work (If Applicable)	--
5.	LOI/NOC from MHADA/ Other Approvals (If Applicable)	Brihanmumbai Municipal Corporation (BMC)
6.	Total Plot Area (Sq. m.)	30872
7.	FSI Area in (Sq.m)	26,631.08
8.	Non FSI Area in (Sq.m)	19,424.00
9.	Proposed Built Up Area (FSI & Non FSI)	46,055.08 Sq. m
10.	Estimated Cost of the Project	Rs. 45 Cr

Sr. No.	Particulars	Basic Information
11.	Number of buildings & its configuration	Building 1: Stilt + 21 upper floors Building 2 & 4: Stilt + one podium + 19 upper floors Total 342 Tenements
12.	Population of Project	Total Occupancy: 342 Nos.

CURRENT STATUS OF CONSTRUCTION
CONSTRUCTION ACTIVITIES STATUS

S.NO.	DETAILS	PRESENT STATUS
1.	Total built up area proposed for EC	46,055.08 Sq. m
2.	Proposed building configuration	<u>Proposed Building:</u> Building 1: Stilt + 21 upper floors Building 2 & 4: Stilt + one podium + 19 upper floors Total 342 Tenements
3.	Construction status of buildings	Building No.2 & 4 OC received ; Building No.1 work is in progress, 70% work completed
4.	Other Completed Structures	-
5.	Status of STP	Constructed and commissioned
6.	Parking status	Completed For Building No.2 & 4 ; In progress for Building No.1
7.	Status of OWC/ Biogas Plant	N.A.
8.	Status of Rain Water Harvesting	Completed for Phase-I (Building No.2 & 4)
9.	Status of green belt development	Pending

Site Photographs



ENVIRONEMNTAL CLEARANCE CONDITION

EC Identification No.: SEAC-2010/CR.612/TC.2 Dated 04.07.2011

As per the integrated environmental conditions of the EC letter, following are the EC conditions stipulated for the project and point-wise compliance status of each of the conditions as on date of this report.

Sr. No.	Conditions	Compliance	Annex	Photo
1.	This environmental clearance is issued subject to land use verification. Local authority should ensure this with request to Rules, Regulation, Notifications, Government Resolution, and Circulars. Etc. issued if any. This environmental clearance issued with respect to the environment consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Noted.	--	--
2.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. 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.	Noted. And adhere too.	--	--
3.	The height, Construction built up area of proposed construction shall be accordance with the exiting FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Noted and adhere too.	--	--

4.	“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. .	--	--
5.	All required sanitary and hygienic measure should be in place before starting construction activities and to be maintained throughout the construction phase.	Proper sanitary and hygienic measures are maintained throughout the construction phase.	--	--
6.	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, creche and First Aid Room etc.	Noted and adhere too.	--	--
7.	Adequate drinking water and sanitary facilities should be provided for construction worker at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.	Noted.	--	--
8.	The solid waste generated should be properly collected and segregated. Dry inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Noted.	--	--
9.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in existing premises for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	Noted.	--	--
10.	Arrangement shall be made that waste water and storm water do not get mixed.	Noted and adhere too.		
11.	All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Noted	--	--
12.	Additional soil for leveling of the proposed site shall be generated within the site (to the extent possible) so that natural drainage system of the area is	Noted. Shall be complied.	--	--

	protected and improved.			
13.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	Noted.	--	--
14.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people only in approved sites with the approval of competent authority.	Noted.		
15.	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.	Noted.	--	--
16.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Noted.	--	--
17.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Noted and Adhere too.	--	--
18.	The diesel generator set 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.	Noted.	--	--
19.	The diesel required for operating DG sets shall be stored in underground tank and if required, clearance form concern authority shall be taken.	Noted and shall be complied.	--	--
20.	Vehicles hired for bringing construction materials to the site should be in good should have a pollution check certificate	Noted.	--	--

	and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.			
21.	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.	Noted	--	--
22.	Fly ash should be used as building material in the construction as per the provision of the Fly Ash Notification of September 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located within 100km of Thermal Power Station).	NA	--	--
23.	Ready mixed concrete must be used in building construction.	Noted and Adhere too.	--	--
24.	The approval of competent authority shall be obtained for structural safety of the building due to any possible earthquake, adequacy of firefighting equipment etc. as per National Building Code including measures from lighting.	Noted.	--	--
25.	Strom water control and its re-use as per CGWB and BIS standards for various applications.	Noted	--	--
26.	Water demand during construction should be reduced by use of pre-mixed concrete curing agents and other best practices referred.	Noted and Adhere too.	--	--
27.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted	--	--

28.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regards 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 affluent shall conform to the norms and standard of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	Noted	--	--
29.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted.	--	--
30.	Permission to draw ground water shall be obtained from the competent Authority prior to construction/ operation of the project.	Noted.	--	--
31.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water	Noted.	--	--
32.	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.	Noted.	--	--
33.	Use of 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.	Noted.	--	--
34.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Noted.	--	--
35.	Energy conservation measures like installation of CFLs/ TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before commissioning.	Noted.	--	--

	Use CFLs and TFLs should be properly collected and disposed of/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 system. Project proponent should install after checking feasibility, solar plug hybrid non-conventional energy source as source of energy.			
36.	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 the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Noted	--	--
37.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted	--	--
38.	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.	Noted	--	--
39.	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.	Noted	--	--

40.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted and adhere too.	--	---
41.	Regular supervision of the above and other measure for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Noted and adhere too.	--	--
42.	Under the provision 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	--	--
43	Six Monthly Monitoring Reports should be submitted to the Department and MPCB.	Shall be complied.	--	---
44.	A complete set of all the documents submitted to Department should be forwarded to the MPCB.	Noted	--	--
45.	In the case of any change(s) in the scope of project, the project would require a fresh appraisal fresh appraisal by this Department.	Noted	--	--
46.	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Noted and shall be complied.	--	--
47.	A separate environment management cell with qualified staff be set up for implementation of the stipulated environmental safeguards.	Noted and shall be complied.	--	--
48.	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 purposed and year-wise expenditure should reported to the MPCB & this department.	Noted Construction Phase : Rs. 5,50,000 Operation Phase : Rs. 12,25,000	--	--

49	The project management shall advertise at least in two local newspaper widely circulated in the region around the project , one of which shall be in 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://envis.maharashtra.gov.in	Noted	--	--
50	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Noted	--	--
51	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.	Noted	--	--
52	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 offices of MOEF, the respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (Ambient levels as well as stack emissions) or critical sectoral 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.	Noted	--	--
53	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	Noted	--	--

	MoEF, the respective Zonal office of CPCB and the SPCB.			
54	The environmental statement for each financial year ending 31 st 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 company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Noted	--	--



Sadekar Enviro Engineers Private Limited

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.
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ANALYSIS TEST REPORT

Report No	SEETL/Project/AR/05/2024/069	Report Date	21/05/2024
Name of Client	M/s. Kutchi Sarvodaya Nagar Trust		
Address of Client	CTS No 5/10/1 to 5/10/6 of village Borla, Kurla, 'M' ward, Chembur, Mumbai.		
Order / Reference	-		
Date Of sampling	16/05/2024	Sample Receipt Date	17/05/2024
Analysis Started on	17/05/2024	Analysis Completed	21/05/2024
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab		Temperature (°C)	25.3
		Humidity (%)	54

AMBIENT AIR STATION

Location of H.V.S.	Near Main Gate
Lateral Distance	5.0 Meter from Main Gate no. 1
Receptor Distance	1.5 Meters From Ground Level
Ambient Temperature (°C)	36
Humidity (%)	43
Wind Speed (km/hr)	08
Wind Direction (deg°)	SE 145
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI 177)

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	65.10	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	31.25	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
Sulphur Dioxide (SO ₂)	22.06	µg/m ³	80.00	IS 5182 (Part 2/Sec 1): 2023
Nitrogen Dioxide (NO ₂)	25.18	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Carbon Monoxide (CO)	1.02	mg/m ³	04.00	IS 5182 (Part 10): 1999 RA 2019
Ozone (O ₃)	14.23	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019

NOTE: 1) The above results relate only to the item tested & the condition prevailing at the time of sampling

2) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5} - Particulate Matter of size < 2.5 µm

3) NAAQS-National Ambient Air Quality Standards

4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₆H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³)

5) This certificate may not be reproduced without the permission of this Laboratory.

***** END OF THE REPORT*****

Authorized Signatory
Nilesh Naik



Format No. SEETL/LD/F-72

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• Lab. Recognised Under Environment (Protection) Act, 1986, by MoEF & CC GOI

• Lab Certified by ISO 9001:2015 & ISO 45001 : 2018

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ANALYSIS TEST REPORT

Report No.	SEETL/Project/N/05/2024/070-077	Report Date	21/05/2024
Name of Client	M/s. Kutchi Sarvodaya Nagar Trust		
Address of Client	CTS No 5/10/1 to 5/10/6 of village Borla, Kurla, 'M' ward, Chembur, Mumbai.		
Order / Reference	-		
Date of Monitoring	16/05/2024	Time of Sampling	Day/Night
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sampling Location (From 1 meter away)	Noise Levels in dB (A) Leq* Day Time	Noise Levels in dB (A) Leq* Night Time
AMBIENT NOISE LEVEL MONITORING		
East	54.1	41.3
West	51.3	44.8
North	56.7	48.1
South	53.2	45.7

Method: - IS 9989:1981 RA: 2023

NOTE: 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)

2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)

3) A "decibel" is a unit in which noise is measured.


4) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human hear.

5) Leq: It is the energy mean of the noise level over a specified period.

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***** END OF THE REPORT*****




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ANALYSIS TEST REPORT

ANALYSIS TEST REPORT				
Report Number	SEETL/Project/WW/05/2024/170-171		Report Date	22/05/2024
Name of Client	M/s. Kutchi Sarvodaya Nagar Trust			
Address of Client	Proposed Residential Building Project at C.T.S. no. 5/10/1 to 5/10/6 Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai.			
Order/Reference	-			
Sample Collection Date	16/05/2024	Sample Receipt Date	16/05/2024	
Analysis Started On	16/05/2024	Analysis Completed On	22/05/2024	
ULR Number	-			
Sampling Plan	SEETL/LD/F-03		Sampling SOP No.	SEETL/LD/SOP/WA-62
Environmental Condition Of Lab	Temp ^o C	24.5	Humidity %	56
Sampling Point	STP- 300 KLD			
Sample Details	I –Untreated Effluent		II – Treated Effluent	
Sample Container	PVC Can		Sample Quantity	2000 ml Each
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameters	Results		Unit	MPCB Limits	Method
		I	II			
1	pH	5.24	7.15	-	-	IS 3025 (Part 11):2022
2.	Chemical Oxygen Demand	680	24	mg/l	-	APHA (24 th Edition) 5220-B: 2023
3.	Biochemical Oxygen Demand 3 Days at 27 ^o C	140	7.40	mg/l	-	IS 3025 (Part-44): 2023
4.	Total Suspended Solids	27	<10.0	mg/l	-	APHA (24 th Edition) 2540 – D: 2023
5.	Residual Chlorine	<1.0	<1.0	mg/l	-	IS 3025 (Part-26/5):2021

Note : Test results related only to the sample tested.

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: Retention Period of Sample is 8 days from the date of Analysis report.

*****END OF THE REPORT*****

Authorized Signatory
Nilesh Naik



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ANALYSIS TEST REPORT

Report Number	SEETL/Project/S/05/2024/169	Report Date	22/05/2024	
Name of Client	M/s. Kutchi Sarvodaya Nagar Trust			
Address of Client	Proposed Residential Building Project at C.T.S. no. 5/10/1 to 5/10/6 Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai.			
Order /Reference	-			
Sample Collection Date	16/05/2024	Sample Receipt Date	16/05/2024	
Analysis Started On	16/05/2024	Analysis Completed On	22/05/2024	
ULR Number	-			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/SA-32	
Environmental Condition	Temp °C	26.5	Humidity %	54
Sample Point	Garden Area			
Sample Details	Soil Sample			
Sample Container	Polythene Bag	Sample Quantity	1 kg	
Sample Collected By	SEETL Representative			
Sr. No.	Parameters	Results	Unit	Method
1	pH	7.28	-	IS 2720 (Part 26) : 1987 (Reaff.2021)
2	Electrical Conductivity	0.932	mS/cm	IS 14767: 2000 RA 2021
3	Natural Moisture Content	9.42	%	IS:2720 (PART 2/Section 1): 1973 RA 2020
4	Chloride as Cl	356.24	mg/kg	IS 3025 (Part 32/2) :1988 :RA 2019
5	Sulphate as SO ₄	324.54	mg/kg	IS 2720 P-27 : 1977 RA 2020
6	Phosphate	72.00	mg/kg	IS 3025 Part-31/Sec1/3.1.2.1 & 5:2022
7	Nitrate	37.8	mg/kg	Manual of Soil Testing in India, Dept of Agriculture and Cooperation, Gol: 2011
8	Exchangeable Magnesium	7.58	meq/100gm	
9	Exchangeable Calcium	18.8	meq/100gm	
10	Organic matter	1.36	%	
11	Nitrite	1.24	mg/kg	IS 3025-Part-34: 1988:RA-2019
12	Total Nitrogen	0.0625	%	IS 14684/4: 1999 RA 2019
13	Arsenic as As	4.23	mg/kg	SEETL/LD/SOP/SA-22: 2017
14	Cadmium as Cd	2.01	mg/kg	SEETL/LD/SOP/SA-22: 2017
15	Chromium as Cr	12.42	mg/kg	SEETL/LD/SOP/SA-22: 2017
16	Cobalt as Co	3.24	mg/kg	SEETL/LD/SOP/SA-22: 2017
17	Copper as Cu	6.584	mg/kg	SEETL/LD/SOP/SA-22: 2017



Authorized Signatory
Nilesh Naik

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• Lab Certified by ISO 9001:2015 & ISO 45001 : 2018



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ANALYSIS TEST REPORT

Report Number	SEETL/Project/S/05/2024/169	Report Date	22/05/2024
Name of Client	M/s. Kutchi Sarvodaya Nagar Trust		
Address of client	Proposed Residential Building Project at C.T.S. no. 5/10/1 to 5/10/6 Village Borla, Taluka Kurla, 'M' ward, Chembur, Mumbai.		
Order/Reference	-		
ULR Number	-		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/SA-32
18	Lead as Pb	6.44	mg/kg SEETL/LD/SOP/SA-22: 2017
19	Manganese as Mn	98.72	mg/kg SEETL/LD/SOP/SA-22: 2017
20	Mercury as Hg	<0.10	mg/kg SEETL/LD/SOP/SA-22: 2017
21	Nickel as Ni	11.48	mg/kg SEETL/LD/SOP/SA-22: 2017
22	Iron as Fe	5420.64	mg/kg SEETL/LD/SOP/SA-22: 2017
23	Potassium as K	780.2	mg/kg SEETL/LD/SOP/SA-22: 2017
24	Sodium as Na	1120.25	mg/kg SEETL/LD/SOP/SA-22: 2017
25	Zinc as Zn	27.42	mg/kg SEETL/LD/SOP/SA-22: 2017
26	Color	Dark brown	- SEETL/LD/SOP/SA-39: 2017
27	Soil texture	Clay loam	- SEETL/LD/SOP/SA-21: 2017
28	Grain Size Distribution		
	Gravel	-	% SEETL/LD/SOP/SA-21: 2017
	Sand	40	% SEETL/LD/SOP/SA-21: 2017
	Silt	25	% SEETL/LD/SOP/SA-21: 2017
	Clay	35	% SEETL/LD/SOP/SA-21: 2017
29	Bulk Density	1.07	g/cm ³ SEETL/LD/SOP/SA 33 : 2017
30	Porosity	51.6	% SEETL/LD/SOP/SA-38: 2017
31	Water holding Capacity	49.8	% SEETL/LD/SOP/SA 34: 2017
32	Residual chlorine	3.64	mg/kg IS 3025 (Part-26/5):2021

Note : Test results related only to the sample tested.

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*****END OF THE REPORT*****



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