

O/C

Somaiya

K Raheja Corp Real Estate Private Limited

(Formerly known as Feat Properties Private Limited)



Date: 29.11.2024

To,
The Chief Conservator of Forest,
Ministry of Environment, Forests & Climate Change
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur- 440001.

Subject : Submission of six-monthly EC Compliance Report for period April 2024 to September 2024 for proposed Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai.

Reference : Environmental Clearance by SEIAA, Maharashtra vide EC Identification No: EC23B038MH153350 dated 26th September 2023.

Dear Sir,

With reference to above, we wish to inform you that we have proposed Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai. The project has been approved and granted Environmental Clearance by SEIAA, Maharashtra vide EC Identification No: EC23B038MH153350 dated 26th September 2023.

As per the condition stipulated in Environmental Clearance, we are submitting herewith six-monthly compliance status report for period of **April 2024 to September 2024** along with the desired information and copies of documents are as under:

1. Data sheet
2. EC Compliance report
3. Post Monitoring Reports

We hope the above is to your satisfaction.

Thanking You.

Yours faithfully,
M/s. K Raheja Corp Real Estate Pvt. Ltd.

N. R. Mehta

Authorized Signatory.

Encl: a/a

CC to:

1. The Member Secretary, Maharashtra Pollution Control Board, 3rd Floor, Kalpataru Point, Sion, Mumbai- 400 022.
2. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC word office No. 10, Subhanpura, Vadodara.


09/12/24

Maharashtra Pollution Control Board
Kalpataru Point, 2nd Floor, Sion Circle,
Opp. Cine Planet, Sion (East),
Mumbai - 400 022.
Tel. 24010437 / 24020781.
Website : www.mpcb.gov.in

CIN : U40300MH2007PTC287012

Varsha Kalange

From: Varsha Kalange
Sent: 30 November 2024 12:47
To: eccompliance-mh@gov.in; ec-rdw.cpcb@gov.in
Subject: EC Compliance for April 2024 - September 2024 Of [M/s. K Raheja Corp Real Estate Pvt. Ltd. for proposed Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai, Maharashtra]
Attachments: Six Monthly EC Compliance Report Apr 24-Sept 24.pdf

Respected Sir/Madam,

As per MoEF&CC notification vide No. SO 5845(E) Dated-26.11.2018 AND as informed by Central Pollution Control Board, Regional Directorate (West), Vadodara regarding digital transaction of EC Compliance report under Government of India initiatives for promoting e-office through digital transaction of activities, we are submitting herewith six-monthly EC compliance status report for period April 2024 - September 2024 for proposed Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai, Maharashtra by M/s. K Raheja Corp Real Estate Pvt. Ltd. in pdf format with signed and stamped by authorized signatory of the project.

Documents enclosed herewith are as listed below:

1. Cover letter
2. Datasheet
3. EC compliance status report
4. List of annexures
5. Documents as per list of annexures

Hope the above is to your satisfaction.

Thanks & Regards,
Varsha Yogesh Kalange



Aditya Environmental Services Pvt. Ltd.

Head Office | 107/110, Hiren Light Industrial Estate, Mogul Lane, Mahim, Mumbai 400016

Laboratory | Plot P-1, MIDC Commercial Plots, Mohopada, P.O. Rasayani, Tal. Khalapur, Dist. Raigad 410222

022-42127500 | contact@aespl.co.in

K Raheja Corp Real Estate Private Limited

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N. R. Mishra

Authorized Signatory.

Encl: a/a

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2. Central Pollution Control Board, Parivesh Bhavan, Opp. VNC word office No. 10, Subhanpura, Vadodara.

CIN : U40300MH2007PTC287012

Regd. Off. : Raheja Tower, Plot No.C-30, Block 'G', Next to Bank of Baroda, Bandra Kurla Complex, Bandra (E), Mumbai - 400 051.

Phone : +91-22-2656 4000 • Website : www.krahejacorp.com

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

**MINISTRY OF ENVIRONMENT & FORESTS
REGIONAL OFFICE (W), NAGPUR**

Monitoring Report

PART - I

DATA SHEET

1.	Project type: River -Valley/ Mining/ Industry/ Thermal/ Nuclear/ other (specify)	Others - Construction project (Residential Project)								
2.	Name of the project	Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai by M/s. K Raheja Corp Real Estate Pvt. Ltd.								
3.	Clearance letter (s)/OM no. and date	Environmental Clearance by SEIAA, Maharashtra vide EC Identification No: EC23B038MH153350 dated 26 th September 2023.								
4.	Location	Mumbai								
	(a) District	Mumbai Suburban								
	(b) State	Maharashtra								
	(c) Latitude / Longitude	Latitude: 19° 3'3.44"N Longitude: 72°52'11.82"E								
5.	(a) Address for correspondence (b) Address of Executive Project Engineer/ Manager (with pin code / Fax)	Mr. Nikhil Mehta Raheja Tower, Level 6, Block 'G', C-30, Next to Bank of Baroda, Bandra Kurla Complex, Mumbai — 400051.								
6.	Salient Features									
	(a) Of the project	<ul style="list-style-type: none">• Net Plot Area (sq. m.): 5,843.04 sq. m• FSI area (sq. m.): 21,219.99 Sq. mtr.• Non FSI area (sq. m.): 27,289.96 Sq. mtr.• Total Built Up Area: 48,509.95 Sq. mtr. <table border="1"><thead><tr><th>Building Name</th><th>Configuration</th></tr></thead><tbody><tr><td>Residential (Wing A)</td><td>3B+S/G+ 2 Podium + 17th upper floors</td></tr><tr><td>Residential (Wing B)</td><td>3B + S/G + 2 Podium + 17th upper floors</td></tr><tr><td>I. H. Bldg. (Wing D)</td><td>S+1st to 1st floors</td></tr></tbody></table>	Building Name	Configuration	Residential (Wing A)	3B+S/G+ 2 Podium + 17 th upper floors	Residential (Wing B)	3B + S/G + 2 Podium + 17 th upper floors	I. H. Bldg. (Wing D)	S+1 st to 1 st floors
Building Name	Configuration									
Residential (Wing A)	3B+S/G+ 2 Podium + 17 th upper floors									
Residential (Wing B)	3B + S/G + 2 Podium + 17 th upper floors									
I. H. Bldg. (Wing D)	S+1 st to 1 st floors									

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	(b) Of Environmental Management Plans	<ul style="list-style-type: none"> • Debris/ Topsoil Management • Transplantation of trees • Toilets for labour + drinking water + first aid arrangement • Portable STP • Environmental Monitoring • Sewage Treatment Plant • Solid waste management • Rainwater harvesting • Greenbelt • Disaster Management Plan • Water conservation measures • Energy conservation measures
7.	Breakup of the project area	
	(a) Submergence area: forest & non forest.	Nil
	(b) Others	The entire project area is non-agricultural land.
8.	Breakup of the project affected population with enumeration of those losing houses /dwelling units only, agricultural land only, both dwelling units & agricultural land & landless labourers /artisan.	Nil
	(a) SC, ST /Adivasis	Nil
	(b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	Nil
9.	Financial details	
	(a) Project cost as originally planned and sub-subsequent revised estimates and year of price reference.	Estimated Cost of the Project: Rs. 293.13 Cr
	(b) Allocation made for environmental management plans with item wise and year wise break-up.	Operation Phase a) Capital Cost: 526 Lakh, b) O&M: 48.4 Lakh/yr (Including DMP cost)
	(c) Benefit cost ratio/Internal rate of Return and the year of assessment	Yet to finalize.

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	(d) Whether (c) include the cost of environmental management as shown in the above.	Not applicable since (c) is yet to finalize
	(e) Actual expenditure incurred on the project so far	Rs. 30.97 Cr
	(f) Actual expenditure incurred on the environmental management plans so far	Rs. 11 Lakhs
10.	Forest land requirement.	The project land is a not a forest land.
	(a) The status of approval for diversion of forest land for non-forestry use	Not applicable.
	(b) The status of clearing felling	Not applicable.
	(c) The status of compensatory afforestation, if any	Not applicable.
	(d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	Not applicable.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	Nil
12.	Status of construction.	
	a) Date of commencement (Actual and / or planned)	21.03.23
	b) Date of completion (Actual and/ or planned)	30.10.27
13.	Reason for the delay if the project is yet to start.	Not Applicable
14.	Dates of site visits	
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	Not yet visited by Regional Officer
	(b) Date of site visit for this monitoring report	April 2024 to September 2024
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	Environmental Clearance by SEIAA, Maharashtra vide EC Identification No: EC23B038MH153350 dated 26 th September 2023.

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the details of all the letters issued so far, but the later reports may cover only the letters issued subsequently)	
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EC COMPLIANCE REPORT**HALF YEARLY EC COMPLIANCE REPORT****April 2024 to September 2024**

Ref	Environmental Clearance by SEIAA, Maharashtra vide EC Identification No: EC23B038MH153350 dated 26 th September 2023. (Annexure II)
To	M/s. K Raheja Corp Real Estate Pvt. Ltd.
For	Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai by
Status	Excavation and Basement Foundation (Raft) work is in progress.

Specific Conditions**A. SEAC Conditions: -**

Sr. No.	Conditions	Reply
1.	PP to submit IOD/ IOA/ Concession Document/ Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.	Approved Plan of MCGM vide No. P-13610/2022/(2/2)/F/North/SALTPAN/337 /1/New dated 20th June 2023 enclosed as Annexure III respectively.
2.	PP to obtain following NOCs & remarks as per amended planning: a) Water Supply; b) Sewer Connection; c) Storm Water Drain Remarks; d) CFO NOC; e) Tree NOC; f) SWM/C&D NOC; g) Civil Aviation NOC.	Yes, we have received all the NOCs from concerned authorities. Same are enclosed as under - <ul style="list-style-type: none"> • Water Supply NOC enclosed as Annexure IV • Sewer Connection enclosed as Annexure V • Storm Water Drain Remarks enclosed as Annexure VI • CFO NOC enclosed as Annexure VII • SWM/C&D NOC enclosed as Annexure VIII • Civil Aviation & AAI NOC enclosed as Annexure IX No trees will be cut in the project.
3.	PP to provide 1.5 Mtr. parapet wall around the open to sky portion of STP.	We have provided side louvers around the open to sky portion of STP. STP Layout plan showing louvers enclosed as Annexure X.
4.	PP to reduce discharge of treated water up to 35%. PP to submit undertaking	The treated sewage will be reutilized for flushing & gardening and balance treated

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	from concerned authority/agency/third party regarding use of excess treated water.	sewage will be supplied to nearby garden reservoir. Letter submitted to garden superintendent regarding same is enclosed as Annexure XI .
5.	PP to submit geohydrological survey report.	Copy of geohydrological survey report enclosed as Annexure XII .
6.	PP to maintain adequate distance between DG set & open to sky area of STP.	We affirm that, adequate distance between DG set & open to sky area of STP will be kept. The plan showing the same enclosed as Annexure XIII .
7.	PP to convert 5% RG area in to Miyawaki planation & include the cost of same in EMP.	Miyawaki plantation will be done of total area of 60 sq.m.
B. SEIAA Conditions-		
1.	PP has provided mandatory RG area of 1166.72 m2 on mother earth. Local planning authority to ensure the compliance of the same.	Noted and agreed.
2.	This EC is restricted up to 52.49 m height only as per Civil Aviation NOC.	Noted and agreed.
3.	PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.	Noted and agreed.
4.	PP to achieve at least 5% of total energy requirement from solar / other renewable sources.	Total Energy saving: 20% Solar energy: 5%
5.	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.	Noted and agreed.
6.	SEIAA after deliberation decided to grant EC for-FSI- 21,219.99 m2, Non FSI- 27,270.45 m2, total BUA- 48,490.44 m2.	Noted and agreed.

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	(Plan approval No- P- 13610/2022/(2/2)/F/North/SALTPAN/ 337/1/New, dated 20.06.2023) (Restricted as per appraisal)	
General Conditions:		
a) Construction Phase: -		
Sr. No.	Conditions	Reply
i.	The solid waste generated should be properly collected & segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Solid Waste Generation & disposal during construction Phase - <ul style="list-style-type: none"> • Dry Waste - 8 kgs/day will be segregated and handed over to authorized vendor • Wet Waste - 12 kgs/day handed over to municipal facility • Construction Waste - 1500 cum - will be disposed as per C and D rules 2016. Copy of C&D permission enclosed as Annexure XIV
ii.	Disposal of muck, Construction spoils, including bituminous material 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 the approved sites with the approval of competent authority.	<ul style="list-style-type: none"> • Construction Waste - 1500 cum - will be disposed as per C and D rules 2016. Copy of C&D permission enclosed as Annexure XIV
iii.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of Maharashtra Pollution Control Board.	No hazardous waste is generated at site till date as no construction work is started.
iv.	Adequate drinking water & 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.	<ul style="list-style-type: none"> • Safe drinking water, sanitation and sewerage facility will be provided at site for construction workers. • Portable Sewage treatment plant will be provided. Photographs of labour facilities enclosed as Annexure XV
v.	Arrangement shall be made that wastewater and storm water do not get	Separate drainage line will be provided for both storm water and wastewater generated

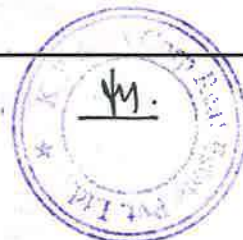
April 2024 - September 2024



EC COMPLIANCE REPORT

	mixed.	within site to avoid mixing. Copy of SWD remarks enclosed as Annexure VI.
vi.	Water demand during construction phase should be reduced by use of pre-mixed concrete, curing agents and other best practices.	The measures such as, use of ready-mix concrete, curing compound, admixture is to reduce water demand will be undertaken during construction phase.
vii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority	There is no groundwater source at site.
viii.	Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project	There is no groundwater source available at site
ix.	Fixtures for showers, toilet flushing and drinking should be low flow either by use of aerators or pressure reducing devices or sensor-based control.	Yes, low flow rate fixtures and low flush cisterns will be used during operation phase.
x.	The Energy Conservation Building Code shall be strictly adhered to.	Yes, the condition is noted.
xi.	All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site.	No Topsoil which generated at site.
xii.	Additional soil for leveling of the proposed site shall be generated within the sites (to the maximum extent possible) so that natural drainage system of the area is protected and improved.	Natural drainage pattern of site will be maintained. Additional soil required to maintain site ground level will be generated within site.
xiii.	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.	Regular monitoring of soil is being carried out at site. Please refer Annexure I for Monitoring reports.

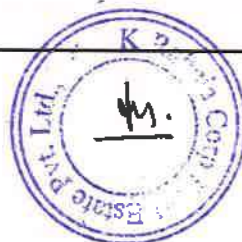
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xiv.	PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.	Noted & agreed
xv.	The diesel generator set to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Presently no DG sets are deployed at construction site.
xvi.	Vehicles hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise standards and should be operated only during non-peak hours.	The vehicles hired for bringing construction material at site are thoroughly checked with a valid PUC certificate. PUC register maintained at site. Copy of the PUC register enclosed as Annexure XVI
xvii.	Ambient noise level should conform to residential standards both during day and night. Incremental pollution loads on the ambient air 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.	We affirm that, regular noise level monitoring will be carried out at site. Please refer Annexure I for Monitoring reports.
xviii.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction phase should be of Act, 1986. The height of stack of DG sets should be equal to the height needed preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	DG sets will be used as backup, care is taken that adequate acoustic is provided to prevent noise and should conform to rules made under the Environment (Protection) Act 1986, prescribed for air and noise emission standards.
xix.	Regular supervision of the above and other measures for monitoring should	Regular supervision of the above and other measures for monitoring is being ensured

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	be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell/ designated person.	through company officials. Monitoring is carried out throughout construction phase to avoid disturbance to the surroundings.
General Conditions:		
b) Operation Phase: -		
Sr. No.	Conditions	Reply
i.	a) The solid waste generated should be properly collected and segregated. B) Wet waste 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. C) Dry/inert solid waste should be disposed of to the approved sites for landfilling after recovering recyclable material.	Solid Waste Generation & disposal during Operation Phase - <ul style="list-style-type: none"> • Dry Waste - 205 kgs/day will be segregated and recyclable waste will be handed over to authorized vendor • Wet Waste - 308 kgs/day will be treated in OWC • STP Sludge - 1 kgs/day dried and used as manure in gardening
ii.	E-waste shall be disposed through Authorized vendor as per E-waste (Management Handling) Rules, 2016.	No E-waste generation envisaged from the project.
iii.	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 MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent if any, should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	<ul style="list-style-type: none"> • 2 nos. of STPs with total capacity 150 KLD (120 KLD + 30 KLD) will be provided for the treatment of sewage generated from the project. • MBBR Technology is proposed to ensure sustainable environment. • Reutilization of treated water from STP for flushing and gardening • Balance treated sewage will be disposed off to existing sewer line.
iv.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to	<ul style="list-style-type: none"> • 2 nos. of STPs with total capacity 150 KLD (120 KLD + 30 KLD) will be provided for the treatment of sewage generated

April 2024 - September 2024



EC COMPLIANCE REPORT

	occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement.	from the project. <ul style="list-style-type: none"> Mechanical Composting Machine will be installed prior to operation. Also, development of the green belt will be carried out before the operational stage.
v.	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.	Yes, we affirm that we will be comply with all the facilities will be in place prior to application for OC.
vi.	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.	Parking is planned in such a way that there will not be any traffic congestion issue. Parking will be fully internalized. Proposed Parking 4 Wheelers - 452 nos. 2 Wheelers -50 nos.
vii.	PP to provide electric charging points for electric vehicles (EVs).	Condition is Noted & will be complied with We will provide 25% electric charging points for electric vehicles (EVs).
viii.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	<ul style="list-style-type: none"> RG proposed on Mother earth - 1170.36 sq.m. RG proposed on ground (paved) - 566.99 sq.m. Miyawaki area: 50 sq.m. (200 Nos.) Number of trees to be planted: 276 Nos.(including retained + New Plantation + Miyawaki)
ix.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Yes, a separate environmental management cell with qualified staff will be in place.
x.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise break-ups. This cost shall be	Yes, break up of Environmental Management Plan is as given below: Operation Phase a) Capital Cost: 526 Lakh

April 2024 - September 2024



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	included as part of the project cost. The funds embarked for the environment protection measures shall not be diverted for other purposes.	b) O&M: 48.4 Lakh/yr (Including DMP cost)
s		
xi.	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 the clearance letter are available with Maharashtra Pollution Control Boar and may also be seen at website at http://envis.maharashtra.gov.in	Yes, we had published advertisement in two local newspapers, copy of same is attached as Annexure XVII.
xii.	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.	Yes, said condition is complied.
xiii.	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 of CPCB & SPCB. The critical pollutant level namely SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicate for the project shall be monitored and displayed in the public domain.	Yes, said condition is noted and will be complied with.
c) General EC Conditions: -		
Sr. No.	Conditions	Reply
i.	PP has to strictly abide by the conditions	Condition is noted.

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	for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
vii.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board of for Wildlife as if applicable & this environment clearance does not necessarily implies that forestry & wildlife clearance granted to the project which will be considered separately on merit.	Yes, said condition is noted. The proposed project site is not located within forest land hence obtaining Forestry & Wildlife clearance is not applicable to us.



EC COMPLIANCE REPORT

	stipulated by SEAC & SEIAA.	
ii.	If applicable "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Borad under Air and Water Act and a copy shall be submitted to the Environment Department before start of any construction work at the sire	We have obtained Consent to Establish from MPCB vide UAN No. Format1.0/CC/UAN No.0000181831/CE/2403001648 Copy of Consent to Establish received is enclosed as Annexure XVIII .
iii.	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.	Yes, the condition is noted.
iv.	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 email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Six monthly compliance reports and monitoring data are submitted to the concerned authorities regularly.
v.	The environmental statement for each financial year ending 31st March in Form -V as is mandated to be submitted by 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 & agreed.
vi.	No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to SEIAA	Noted & agreed.



LIST OF ANNEXURES

ANNEXURE I	Monitoring Reports
ANNEXURE II	Environmental Clearance report
ANNEXURE III	Approved Layout Plan
ANNEXURE IV	Water Connection Charges
ANNEXURE V	Temporary Drainage Connection for labour camp
ANNEXURE VI	SWD Remarks
ANNEXURE VII	CFO NOC
ANNEXURE VIII	SWM / C&D NOC
ANNEXURE IX	Civil Aviation NOC
ANNEXURE X	Layout showing side louvers around STP.
ANNEXURE XI	Letter to garden superintendent
ANNEXURE XII	Geohydrological Report
ANNEXURE XIII	Plan showing Distance between DG set & open to sky area of STP
ANNEXURE XIV	Photographs of Labour facilities
ANNEXURE XV	PUC Copies
ANNEXURE XVI	Advertisement
ANNEXURE XVII	Consent to Establish



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Laboratory: P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.in

Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/06/143

Issue Date: 05/07/2024

Name of Customer	: K Raheja Corp Real Estate Private Limited.				
Name of Site	: Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near Site Office				
Date of Sampling	: 28/06/24				
Sampling Time	: 09:00 to 17:00 hr.	Duration	: 08 hr.		
Sample Drawn By	: AESPL Consultancy Division	Transported By	: AESPL Consultancy Division		
Date of Sample Receipt	: 01/07/2024	Sample Identification	: A-24/06/143		
Sample Quantity & Container	: SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1; PM _{2.5} -1, Bladder-01.				
Date of Sample Analysis	: 01/07/2024 to 04/07/2024				
Sampling Environmental Conditions	: Temperature:29-35°C; Rain fall: No; P _{bar} : 756 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladders, charcoal tubes at ambient temp.		
Sampling Equipment	: RDS-I-14 & FDS-I-10				
Calibration Status	: Calibration on 25/05/2024 due on 25/05/2025				
Project/ Job number	: AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May 24				
Reference of Sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of Sampling & Preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Environmental Condition while Testing	: Ambient Temperature: 29°C and Humidity: 49%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO ₂	25.30	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	Nitrogen dioxide as NO ₂	46.58	80 *	µg/m ³	IS 5182 (Part 6) RA2022
3.	PM ₁₀	81.42	100 *	µg/m ³	IS 5182 (Part 23) RA2022
4.	PM _{2.5}	32.50	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Carbon monoxide as CO	0.76	04 **	mg/m ³	IS 5182 (part 10) RA2019

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards 2009.

Note:

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2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. The result applied to the sample as received.



Reshma S Patil
(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-00-29787



TC-7085

Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/06/90

Issue Date:04/07/2024

Name of Customer	: K Raheja Corp Real Estate Private Limited.		
Name of Site	: Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.		
Discipline & Group	: Chemical: Atmospheric Pollution		
Description of Sample	: Ambient Noise		
Location Details	: At the Periphery of site		
Date of Sampling	: 28/06/2024	Period of Sampling	: Spot
Start & End Time of Sampling (Daytime)	: 10.00 Hr. - 10.35Hr.	Start & End Time of Sampling (Nighttime)	: 22.00 Hr.-22.30Hr.
Monitored By	: AESPL Consultancy Division	Transported By	: AESPL Consultancy Division
Date of Data Receipt	: 01/07/2024	Sample Identification	: N-24/06/90
Environmental Condition	: Climate: Clear	Ambient Temp: 30°C	
Transportation Condition	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
Sampling Equipment	: Noise meter - Centre C-390 SL-I-10		
Calibration Status	: Calibrated on11/03/2024; calibration due on 10/03/2025		
Project/ Job Number	: AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May 24		
Reference of Sampling	: AESPL/LAB/QR/7.3.3/R-02		
Method of Sampling	: IS 9989 RA:2020		
Sr. No.	Location	Noise Day Time dB(A)	Noise Nighttime dB(A)
1.	Near gate No-01 Labour Colony	64.0	52.6
2.	Near Project Office	64.1	51.4
3.	Near gate No-02 Security Office	63.2	53.6
4.	South Side	60.3	51.4
Limit as per EP Act for Industrial area		65	55

Conformity Statement: Noise Levels at all the locations are found below the stipulated limits.

Note:

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Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-



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TC-7085

Test Report (Water)

Ref. No.: AESPL/LAB/C/W-24/06/401

Issue Date: 03/07/2024

Name of Customer		: K Raheja Corp Real Estate Private Limited.			
Name of Site		: Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.			
Nature of Sample	: Drinking water	Location of Sample	: Site office pantry		
Date of Sample Drawn	: 28/06/2024	Time of Sample Drawn	: 10.10 am		
Sample Drawn By	: AESPL Consultancy Division	Transported By	: AESPL Consultancy Division		
Date of Sample Receipt	: 29/06/2024	Sample Identification	: W- 24/06/401		
Sample Quantity & Container	: F-1lit, Plastic can				
Date of Sample Analysis	: 29/06/2024 to 01/07/2024				
Environmental Conditions at site		: Water Temperature: 25°C, Air Temperature: 30°C, Surrounding was clean.			
Transportation Condition		: Water Temperature: < 6°C, Cold storage.			
Project/ Job number		: AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May 24			
Reference of Sampling		: AESPL/LAB/QR/7.3.3/R-02			
Method of Preservation		: AESPL/LAB/SOP/7.3.1/W-01			
Environmental Condition while Testing		: Ambient Temperature: 29.5°C and Humidity: 84%			
Sr. No.	Parameter	Result	Limits (IS 10500:RA2018)		Method of Analysis
			Acceptable	Permissible	
1.	pH @ 25°C	7.81	6.5 - 8.5	No relaxation	IS-3025(P-11) 2022
2.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) 2023
3.	Chlorides as Cl ⁻ , mg/l	17	250 Max	1000 Max	IS-3025(P-32) RA2019
4.	Hardness as CaCO ₃ , mg/l	44	200 Max	600 Max	IS-3025(P-21) 2023
5.	Calcium as Ca ²⁺ , mg/l	4.0	75 Max	200 Max	IS-3025(P-40) 2023
6.	Magnesium as Mg ²⁺ , mg/l	8.2	30 Max	100 Max	IS-3025(P-46) 2023
7.	Residual Chlorine, mg/l	< 0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
8.	Total Dissolved Solids@ 180°C, mg/l	60	500 Max	2000 Max	IS-3025(P-16) 2023
9.	Sulphate as SO ₄ ²⁻ , mg/l	<5.0	200 Max	400 Max	IS-3025(P-24) 2022
10.	Iron as Fe, mg/l	0.030	1.0 Max	No relaxation	IS-3025(P-53) 2023
11.	Fluoride as F ⁻ , mg/l	0.30	1.0 Max	1.5 Max	IS-3025(P-60) 2023

Conformity Statement: Water sample is **pass** as per IS 10500:RA 2018 w.r.t. above mentioned tests.

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4. The results apply to the sample as received.



Reshma S. Patil.
(Authorized Signatory)

-End of Test Report-



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Tel: 9112844844, CIN: U74999MH2001PTC132091, UDYAM-MH-19-00-29787



TC-7085

Test Report (Microbiology - Water)

Ref. No.: AESPL/LAB/B/Mw-24/06/290

Issue Date: 03/07/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.			
Nature of Sample	:	Drinking water	Location of Sample	:	Site office pantry
Date of Sample Drawn	:	28/06/2024	Time of Sample Drawn	:	10:10 am
Sample Drawn By	:	AESPL Consultancy Division	Transported By	:	AESPL Consultancy Division
Date of Sample Receipt	:	29/06/2024	Sample Identification	:	Mw- 24/06/290
Sample Quantity & Container	:	250 ml; Glass bottle.			
Date of Sample Analysis	:	29/06/2024 to 01/07/2024			
Environmental Conditions at site	:	Surrounding area is clean.			
Transportation Condition	:	Water Temperature: < 6°C, Cold storage.			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/M-01			
Environmental Condition while Testing	:	Ambient Temperature: 21.4°C and Humidity: 43 %			
Sr. No.	Parameter, Unit	Result	Limits as per: IS 10500 RA 2018	Method of Analysis	
1.	Coliform/100ml	Present /100ml	Absent /100ml	IS:15185 RA 2021	
2.	E-coli/100ml	Absent /100ml	Absent/100ml	IS:15185 RA 2021	

Conformity Statement: Water sample is **fail** as per IS 10500: RA2018 w. r. t. above mentioned tests.

Note:

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3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as “**Environmental Laboratory**” valid up to 24.04.2025**Laboratory:** P-1, MIDC commercial plots, Mohopada, Rasayani, Dist. Raigad Pin 410222E-mail: pglab@aespl.co.in Tel: 9112844844CIN: U74999MH2001PTC132091 **UDYAM**-MH-19-0029787

TC-7085

**Test Report
(Soil)****Ref. No.:** AESPL/LAB/C/S-24/06/48**Issue Date:** 08/07/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaiya) Sion (E), Mumbai.			
Nature of Sample	:	Soil	Location of Sample	:	Near Site Office
Date of Sample Drawn	:	28/06/2024	Time of Sample Drawn	:	10:20 am
Sample Drawn By	:	AESPL consultancy Division	Transported By	:	AESPL consultancy Division
Date of Sample Receipt	:	01/07/2024	Sample Identification	:	S-24/06/48
Sample Quantity & Container	:	1kg; PG bag			
Date of Sample Analysis	:	01/07/2024 to 06/07/2024			
Environmental Conditions at site	:	Area: Clean, Colour: Brown			
Transportation Condition	:	Kept soil in polythene bag in a dry place			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May2024			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/S-01			
Environmental Condition while Testing	:	Ambient Temperature: 28.4°C and Humidity: 68%			

Sr. No.	Parameter with Unit	Result		Method of analysis
1.	pH@25°C	6.87		IS 2720 (part 26); RA2021
2.	Water content, %	7.4		IS 2720 (part 2); RA2020
3.	Organic Carbon, %	0.22		IS 2720 (part 22); RA2020
4.	Available Nitrogen, %	0.0102		AESPL/LAB/SOP/7.2.1.2/S-05 ;01.07.22
5.	Available Phosphorus, kg/he	40		AESPL/LAB/SOP/7.2.1.2/S-07; 01.07.22
6.	Potassium as K, kg/he	70		AESPL/LAB/SOP/7.2.1.2/S-06; 01.07.22
7.	Chloride, mg/l	62		AESPL/LAB/SOP/7.2.1.2/S-08; 01.07.22
8.	Available Sulphur, mg/kg	42		AESPL/LAB/SOP/7.2.1.2/S-10; 01.07.22
9.	Texture, %	Clay	74	AESPL/LAB/SOP/7.2.1.2/S-17; 01.07.22
		Silt	12	
		Fine	14	

Note:

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**Sushma A. Gujar
(Authorized Signatory)**



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Laboratory: P-1, MIDC commercial plots, Mohopada, Rasayani, Dist. Raigad Pin 410222

E-mail: pglab@aespl.co.in Tel: 9112844844

CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787

Test Report (Soil)

Ref. No.: AESPL/LAB/C/S-24/06/48

Issue Date: 08/07/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.		
Name of Site	:	Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaiya) Sion (E), Mumbai.		
Nature of Sample	:	Soil	Location of Sample	: Near Site Office
Date of Sample Drawn	:	28/06/2024	Time of Sample Drawn	: 10:20 am
Sample Drawn By	:	AESPL consultancy Division	Transported By	: AESPL consultancy Division
Date of Sample Receipt	:	01/07/2024	Sample Identification	: S-24/06/48
Sample Quantity & Container	:	1kg; PG bag		
Date of Sample Analysis	:	01/07/2024 to 06/07/2024		
Environmental Conditions at site	:	Area: Clean, Colour: Brown		
Transportation Condition	:	Kept soil in polythene bag in a dry place		
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16May2024		
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/S-01		
Environmental Condition while Testing	:	Ambient Temperature: 28.4°C and Humidity: 68%		
Sr.No	Parameter with Unit	Result	Method of analysis	
10.	Silica as SiO ₂ , mg/kg	< 0.8	EPA Method 300B 2:1996	
11.	Lead as Pb, mg/kg	< 0.2	EPA Method 300B 2:1996	
12.	Arsenic as As, mg/kg	< 0.2	EPA Method 300B 2:1996	

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Sushma A. Gujar
(Authorized Signatory)

-End of Test Report-



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Tel:9112844844, CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787



TC-7085

Test Report (Ambient Air)

Ref. No.: AESPL/LAB/C/ A-24/09/15

Issue Date: 14/09/2024

Name of Customer	: K Raheja Corp Real Estate Private Limited.				
Name of Site	: Somaya Amaltis -development of Residential cum Commercial project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai. Matunga, Mumbai				
Discipline & Group	: Chemical: Atmospheric Pollution				
Description of Sample	: Ambient Air				
Location of Sampling	: Near Gate No-02				
Date of Sampling	: 02/09/2024				
Sampling Time	: 09:40 to 17:40 hr.	Duration	: 08 hr.		
Sample Drawn By	: ACD	Transported By	: ACD		
Date of Sample Receipt	: 06/09/2024	Sample	: A-24/09/15		
Sample Quantity & Container	: SO ₂ :1 Bottle; NO ₂ :1 Bottle; PM ₁₀ -1; PM _{2.5} -1; Bladder-1.				
Date of Sample Analysis	: 09/09/2024 to 13/09/2024				
Sampling Environmental Conditions	: Temperature:27-32°C; Rain fall: No; P _{bar} : 756 mmHg.				
Transportation Condition	: Bottles < 5°C	Filter papers in plastic container	Bladders, charcoal tubes at ambient temp.		
Sampling Equipment	: RDS-I-12 & FDS-I-12				
Calibration Status	: Calibration on 25/05/2024 due on 25/05/2025				
Project/ Job number	: AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16.05.24				
Reference of Sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of Sampling & Preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Environmental Condition while Testing	: Ambient Temperature: 28.4°C and Humidity: 48%				
Sr. No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	Sulphur dioxide as SO ₂	24.55	80 *	µg/m ³	IS 5182 (Part 2/Sec 1) RA2023
2.	Nitrogen dioxide as NO ₂	40.45	80 *	µg/m ³	IS 5182 (Part 6) RA2022
3.	PM ₁₀	52.15	100 *	µg/m ³	IS 5182 (Part 23) RA2022
4.	PM _{2.5}	23.75	60 *	µg/m ³	IS 5182 (Part 24) 2024
5.	Carbon monoxide as CO	0.54	04 **	mg/m	IS 5182 (part 10) RA2019

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards 2009.

Note:

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4. The results apply to the sample as received.

Reshmi

Reshma S. Patil.
(Authorized Signatory)



Himani

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-



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TC-7085

Test Report (Noise)

Ref. No.: AESPL/LAB/C/N-24/09/23

Issue Date: 11/09/2024

Name of Customer	: K Raheja Corp Real Estate Private Limited.		
Name of Site	: Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.		
Discipline & Group	: Chemical: Atmospheric Pollution		
Description of Sample	: Ambient Noise		
Location Details	: At the Periphery of site		
Date of Sampling	: 02/09/2024	Period of Sampling	: Spot
Start & End Time of Sampling (Daytime)	: 09.30 Hr. - 10.00Hr.	Start & End Time of Sampling (Nighttime)	: 21.00 Hr.-21.30Hr.
Monitored By	: AESPL Consultancy Division	Transported By	: AESPL Consultancy Division
Date of Data Receipt	: 06/09/2024	Sample Identification	: N-24/09/23
Environmental Condition	: Climate: Clear	Ambient Temp: 29°C	
Transportation Condition	: Noise Data sheet is kept in folder and safely transported to laboratory along with Noise meter.		
Sampling Equipment	: Noise meter - Centre C-390 SL-I-10		
Calibration Status	: Calibrated on 11/03/2024; calibration due on 10/03/2025		
Project/ Job Number	: AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16 May 24		
Reference of Sampling	: AESPL/LAB/QR/7.3.3/R-02		
Method of Sampling	: IS 9989 RA:2023		
Sr. No.	Location	Noise Day Time dB(A)	Noise Nighttime dB(A)
1.	Near gate No-01 Labour Colony	63.4	54.3
2.	Near Project Office	64.6	52.6
3.	Near gate No-02 Security Office	64.3	54.1
4.	South Side	63.8	54.7
Limit as per EP Act for Industrial area		65	55

Conformity Statement: Noise Levels at all the locations are found below the stipulated limits.

Note:

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Reshmi

Reshma S. Patil.
(Authorized Signatory)



Himani

Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-



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TC-7085

Test Report (Water)

Ref. No.: AESPL/LAB/C/W-24/09/36

Issue Date: 11/09/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Somaya Amaltis -development of Residential cum Commercial project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.			
Nature of Sample	:	Drinking water	Location of Sample	:	Site office pantry
Date of Sample Drawn	:	02/09/2024	Time of Sample Drawn	:	10.50 am
Sample Drawn By	:	AESPL Consultancy Division	Transported By	:	AESPL Consultancy Division
Date of Sample Receipt	:	06/09/2024	Sample Identification	:	W- 24/09/36
Sample Quantity & Container	:	F-1lit, Plastic can			
Date of Sample Analysis	:	06/09/2024 to 09/09/2024			
Environmental Conditions at site	:	Water Temperature: 25°C, Air Temperature: 29°C, Surrounding was clean.			
Transportation Condition	:	Water Temperature: < 6°C, Cold storage.			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16.05.24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Preservation	:	AESPL/LAB/SOP/7.3.1/W-01			
Environmental Condition while Testing	:	Ambient Temperature: 28.8°C and Humidity: 88%			
Sr. No.	Parameter	Result	Limits (IS 10500:RA2018)		Method of Analysis
			Acceptable	Permissible	
1.	pH @ 25°C	7.38	6.5 - 8.5	No relaxation	IS-3025(P-11) 2022
2.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) 2023
3.	Chlorides as Cl ⁻ , mg/l	18	250 Max	1000 Max	IS-3025(P-32) RA2019
4.	Hardness as CaCO ₃ , mg/l	16	200 Max	600 Max	IS-3025(P-21) RA2023
5.	Calcium as Ca ²⁺ , mg/l	4.0	75 Max	200 Max	IS-3025(P-40) 2024
6.	Magnesium as Mg ²⁺ , mg/l	1.45	30 Max	100 Max	IS-3025(P-46) 2023
7.	Residual Chlorine, mg/l	< 0.56	0.2 Min	1.0 Min	IS-3025(P-26) 2021
8.	Total Dissolved Solids@ 180°C, mg/l	60	500 Max	2000 Max	IS-3025(P-16) 2023
9.	Sulphate as SO ₄ ²⁻ , mg/l	< 5.0	200 Max	400 Max	IS-3025(P-24) 2022
10.	Iron as Fe, mg/l	0.030	0.3 Max	No relaxation	IS-3025(P-53) 2024
11.	Fluoride as F ⁻ , mg/l	0.30	1.0 Max	1.5 Max	IS-3025(P-60) 2023

Conformity Statement: Water sample is **pass** as per IS 10500:RA 2018 w.r.t. above mentioned tests.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.

Reshmi

Reshma S. Patil.
(Authorized Signatory)



Himani

Himani P. Joshi
(Report Reviewed By)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as “**Environmental Laboratory**” valid up to 24.04.2025**Laboratory:** P-1, MIDC Mohopada, Rasayani, Dist. Raigad, 410222, E-mail: pglab@aespl.co.inTel: 9112844844, **CIN:** U74999MH2001PTC132091, **UDYAM-MH-19-00-29787**

TC-7085

**Test Report
(Microbiology - Water)****Ref. No.:** AESPL/LAB/B/Mw-24/09/72**Issue Date:** 11/09/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Somaya Amaltis -development of Residential cum Commercial project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaya) Sion (E), Mumbai.			
Nature of Sample	:	Drinking water	Location of Sample	:	Near Site office
Date of Sample Drawn	:	03/09/2024	Time of Sample Drawn	:	10:50 am
Sample Drawn By	:	AESPL Consultancy Division	Transported By	:	AESPL Consultancy Division
Date of Sample Receipt	:	06/09/2024	Sample Identification	:	Mw- 24/09/72
Sample Quantity & Container	:	250 ml; Glass bottle.			
Date of Sample Analysis	:	06/09/2024 to 09/09/2024			
Environmental Conditions at site	:	Surrounding area is clean.			
Transportation Condition	:	Water Temperature: < 6°C, Cold storage.			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise)dated 16May 24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/M-01			
Environmental Condition while Testing	:	Ambient Temperature: 21.4°C and Humidity: 43 %			
Sr. No.	Parameter, Unit	Result	Limits as per: IS 10500 RA 2018	Method of Analysis	
1.	Coliform/100ml	Absent /100ml	Absent /100ml	IS:15185 RA 2021	
2.	E-coli/100ml	Absent/100ml	Absent/100ml	IS:15185 RA 2021	

Conformity Statement: Water sample is **pass** as per IS 10500: RA2018 w. r. t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. The results apply to the sample as received.

**Pranali N. Patil
(Authorized Signatory)****Himani P. Joshi
(Report Reviewed By)**

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**Testing Laboratory is certified by **ISO 9001:2015 & ISO 45001:2018**Recognized by **MoEFCC** as "Environmental Laboratory" valid up to 24.04.2025

Laboratory: P-1, MIDC commercial plots, Mohopada, Rasayani, Dist. Raigad Pin 410222

E-mail: pglab@aespl.co.in Tel: 9112844844CIN: U74999MH2001PTC132091 **UDYAM-MH-19-0029787**

TC-7085

**Test Report
(Soil)**

Ref. No.: AESPL/LAB/C/S-24/09/02

Issue Date: 16/09/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaiya) Sion(E), Mumbai.			
Nature of Sample	:	Uncultivated soil	Location of Sample	:	Near Gate No. 2
Date of Sample Drawn	:	02/09/2024	Time of Sample Drawn	:	11:20 am
Sample Drawn By	:	AESPL consultancy Division	Transported By	:	AESPL consultancy Division
Date of Sample Receipt	:	06/09/2024	Sample Identification	:	S-24/09/02
Sample Quantity & Container	:	1kg; PG bag			
Date of Sample Analysis	:	06/09/2024 to 14/09/2024			
Environmental Conditions at site	:	Area: Clean, Colour: Brown			
Transportation Condition	:	Kept soil in polythene bag in a dry place			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16.05.24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/S-01			
Environmental Condition while Testing	:	Ambient Temperature: 28.7°C and Humidity: 72%			
Sr. No.	Parameter with Unit	Result		Method of analysis	
1.	pH@25°C	6.87	IS 2720 (part 26); RA2021		
2.	Water content, %	7.4	IS 2720 (part 2); RA2020		
3.	Organic Carbon, %	0.22	IS 2720 (part 22); RA2020		
4.	Available Nitrogen, %	0.0102	AESPL/LAB/SOP/7.2.1.2/S-05; 01.07.22		
5.	Available Phosphorus, kg/he	40	AESPL/LAB/SOP/7.2.1.2/S-07; 01.07.22		
6.	Potassium as K, kg/he	70	AESPL/LAB/SOP/7.2.1.2/S-06; 01.07.22		
7.	Chloride, mg/l	62	AESPL/LAB/SOP/7.2.1.2/S-08; 01.07.22		
8.	Available Sulphur, mg/kg	42	AESPL/LAB/SOP/7.2.1.2/S-10; 01.07.22		
9.	Texture, %	Clay	64	AESPL/LAB/SOP/7.2.1.2/S-17; 01.07.22	
		Silt	22		
		Fine	14		

Note:

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**Sushma A Gujar
(Authorized Signatory)****Himani P. Joshi
(Report Reviewed By)**

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015 & ISO 45001:2018

Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2025

Laboratory: P-1, MIDC commercial plots, Mohopada, Rasayani, Dist. Raigad Pin 410222

E-mail: pglab@aespl.co.in Tel: 9112844844

CIN: U74999MH2001PTC132091 UDYAM-MH-19-0029787

Test Report (Soil)

Ref. No.: AESPL/LAB/C/S-24/09/02

Issue Date: 16/09/2024

Name of Customer	:	K Raheja Corp Real Estate Private Limited.			
Name of Site	:	Residential development project on land bearing C.T.S. No. (5), 2/2 of salt pan division situated in F/N ward (Somaiya) Sion(E), Mumbai.			
Nature of Sample	:	Uncultivated soil	Location of Sample	:	Near Gate No. 2
Date of Sample Drawn	:	02/09/2024	Time of Sample Drawn	:	11:20 am
Sample Drawn By	:	AESPL consultancy Division	Transported By	:	AESPL consultancy Division
Date of Sample Receipt	:	06/09/2024	Sample Identification	:	S-24/09/02
Sample Quantity & Container	:	1kg; PG bag			
Date of Sample Analysis	:	06/09/2024 to 14/09/2024			
Environmental Conditions at site	:	Area: Clean, Colour: Brown			
Transportation Condition	:	Kept soil in polythene bag in a dry place			
Project/ Job number	:	AESPL/Q/2024-25/KRCREPL/20 (Revise) dated 16.05.24			
Reference of Sampling	:	AESPL/LAB/QR/7.3.3/R-02			
Method of Sampling & Preservation	:	AESPL/LAB/SOP/7.3.1/S-01			
Environmental Condition while Testing	:	Ambient Temperature: 28.7°C and Humidity: 72%			
Sr. No	Parameter with Unit	Result	Method of analysis		
10.	Silica as SiO ₂ , mg/kg	< 0.8	EPA Method 3050B 2:1996		
11.	Lead as Pb, mg/kg	< 0.02	EPA Method 3050B 2:1996		
12.	Arsenic as As, mg/kg	< 0.02	EPA Method 3050B 2:1996		

Note:

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Sushma A. Gujar.
(Authorized Signatory)



Himani P. Joshi.
(Report Reviewed By)

-End of Test Report-

ENVIRONMENTAL
CLEARANCE

Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), MAHARASHTRA)

To,

The -1

K RAHEJA CORP REAL ESTATE PRIVATE LIMITED

Raheja Tower, Plot No. C-30, Next to Bank of Baroda, Bandra Kurla
Complex, Bandra East, Mumbai -400051

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MH/INFRA2/412288/2022 dated 27 Dec 2022. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No.	EC23B038MH153350
2. File No.	SIA/MH/INFRA2/412288/2022
3. Project Type	New
4. Category	B
5. Project/Activity including Schedule No.	8(a) Building and Construction projects
6. Name of Project	Application for EC for the Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai by M/s. K Raheja Corp Real Estate Private Limited.
7. Name of Company/Organization	K RAHEJA CORP REAL ESTATE PRIVATE LIMITED
8. Location of Project	MAHARASHTRA
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 26/09/2023

(e-signed)
 Pravin C. Darade , I.A.S.
 Member Secretary
 SEIAA - (MAHARASHTRA)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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PARIVESH

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and Virtuous Environmental Single-Window Hub)*



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/INFRA2/412288/2022
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s. K Raheja Corp Real Estate Private Limited.,
C. S. No. (S) 2/2, Salt pan division situated in F/N ward,
Sion (E), Mumbai.

Subject : Environment Clearance for proposed Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai by M/s. K Raheja Corp Real Estate Private Limited.

Reference : Application no. SIA/MH/INFRA2/412288/2022

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-2 in its 195th meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 264th (Day-1) meeting of State Level Environment Impact Assessment Authority (SEIAA) held on 08th August, 2023.

2. **Brief Information of the project submitted by you is as below:-**

Sr. No.	Description	Details	
1	Proposal No	SIA/MH/INFRA2/412288/2022	
2	Name of Project	Application for EC for the Residential development on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai by M/s. K Raheja Corp Real Estate Private Limited.	
3	Project category	8 (a) category	
4	Type of Institution	Private	
5	Project Proponent	Name	Mr. Nikhil Mehta
		Regd. Office address	Raheja Tower, Level 6, Block 'G', C-30, Next to Bank of Baroda, Bandra Kurla Complex, Mumbai – 400051.
		Contact number	+91 22 2656 4000
		E-mail	nmehta@kraheja.com
6	Consultant details	Mahabal Enviro Engineers Pvt. Ltd. Accredited by NABET vide No. QCI/NABET/EIA/ACO/17/00427	
7	Applied for	New Project	
8	Location of the project	Plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai	
9	Latitude and Longitude	Latitude: 19° 3'3.44"N & Longitude: 72°52'11.82"E	

10	Plot area (sq.m.)	6,150.57 m ²					
11	Deductions (sq.m.)	307.53 m ²					
12	Net Plot area (sq.m.)	5,843.04 m ²					
13	Ground coverage (m ²) & %	2,050 m ² & (33 %)					
14	FSI Area (sq.m.)	21,219.99 m ²					
15	Non-FSI (sq.m.)	27,289.96 m ²					
16	Proposed built-up area (FSI + Non FSI) (sq.m.)	48,509.95 m ²					
17	TBUA (m ²) approved by Planning Authority till date	Application submitted for approval to MCGM					
18	Earlier EC details with Total Construction area, if any.	Not Applicable (Fresh Proposal)					
19	Construction completed as per earlier EC (FSI + Non FSI) (sq.m.)	No work started					
20	Previous EC / Existing Building		Proposed Configuration			Reason for Modification / Change	
	Bldg. Name	Config.	Height (m)	Bldg. Name	Config.		Height (m)
	-	-	-	Residential Bldgs.			
	-	-	-	Residential (Wing A)	3B + S/G + 2 Podium + 17 th upper floors	70.00	-
	-	-	-	Residential (Wing B)	3B + S/G + 2 Podium + 17 th upper floors	70.00	-
-	-	-	I. H. Bldg. (Wing D)	S+1 st to 12 th floors	40.30	-	
21	No. of Tenements & Shops	Residential Flats: 179 Nos. (Sale flats: 132 Nos. + Inclusive Housing: 47 Nos.)					
22	Total Population	1,159 Nos.					
23	Total Water Requirements CMD	143 KLD					
24	Under Ground Tank (UGT) location	1 st Basement					
25	Source of water	MCGM					
26	STP Capacity & Technology	2 STPs of total 150 KLD capacity with MBBR technology (120 KLD + 30 KLD)					
27	STP Location	1 st & 2 nd Basement					

28	Sewage Generation CMD & % of sewage discharge in sewer line	Sewage generation: 131 KLD Disposal in Municipal sewer: 25%		
29	Solid Waste Management during Construction Phase	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	08	Local body
		Wet waste	12	Local body
		Construction waste (m ³)	1,500	As per Construction Waste Management Rules 2016
30	Total Solid Waste Quantities with type during Operation Phase & Capacity of OWC to be installed	Type	Quantity (Kg/d)	Treatment / disposal
		Dry waste	205	Handed over to Local Body
		Wet waste	308	Mechanical composting machine
		E-Waste (Ton/year)	2.1	Authorized vendors
		STP Sludge (dry)	1	STP sludge will be composted
31	R.G. Area in sq.m.	RG required (20%): 1,168.61 m²		
		RG provided on Mother earth: 1,170.36 m²		
		RG provided on Ground (Paved): 566.99 m²		
		Total: 1,737.35 m²		
		Existing trees on plot: 1 Nos.		
		Number of trees to be planted:		
		a) In RG & plot boundary area: 75 Nos. b) In Miyawaki Plantation (with area): 200 Nos. (50 m ²)		
32	Power requirement	During Operation Phase:		
		Details:	ADANI/MSEDCL	
		Connected load (kW)	4.08 MW	
		Demand load (kW)	1.6 MW	
33	Energy Efficiency	a) Total Energy saving (%): 20% b) Solar energy (%): 5.0% (Solar PV panels of 84 kW will be installed (Total 153 panels each of 550 Wp))		
34	D.G. set capacity	1 x 650 kVA (Tower A & B) & 1 x 200 kVA (IH)		
35	No. of 4-W & 2-W Parking with 25% EV	4-W: 452 Nos. & 2-W: 50 Nos. (EV charging points: 25%)		

36	No. & capacity of Rain water harvesting tanks /Pits	2 RWH tanks with 200 KL total capacity
37	Project Cost in (Cr.)	Rs. 293.13 Cr
38	EMP Cost	Capital Cost: 526 Lakh, O&M: 48.4 Lakh/yr (Including DMP cost)
39	CER Details with justification if any....as per MoEF&CC circular dated 01/05/2018	Not Applicable (as per MoEF&CC OM F. No. 22-65/2017-IA.III dt. 25.02.2021)
40	Details of Court Cases/litigations w.r.t the project and project location, if any.	No court case is pending against the project.

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 264th (Day-1) meeting held on 08th August, 2023. and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

A. SEAC Conditions-

1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions thereunder as per the circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2. PP to submit following updated NOCs & remarks:
a) Water Supply; b) Sewer Connection; c) Storm Water Drain Remarks; d) CFO NOC; e) Tree NOC; f) SWM/C&D NOC; g) Civil Aviation NOC.
3. PP to provide 1.5 Mtr. parapet wall around the open to sky portion of STP.
4. PP to reduce discharge of treated water up to 35%. PP to submit undertaking from concerned authority/agency/third party regarding use of excess treated water.
5. PP to submit geohydrological survey report.
6. PP to maintain adequate distance between DG set & open to sky area of STP.
7. PP to convert 5% RG area in to Miyawaki planation & include the cost of same in EMP.

B. SEIAA Conditions-

1. PP has provided mandatory RG area of 1166.72 m² on mother earth. Local planning authority to ensure the compliance of the same.
2. This EC is restricted up to 52.49 m height only as per Civil Aviation NOC.
3. PP to keep open space unpaved so as to ensure permeability of water. However, whenever paving is deemed necessary, PP to provide grass pavers of suitable types & strength to increase the water permeable area as well as to allow effective fire tender movement.
4. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
5. 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.

6. SEIAA after deliberation decided to grant EC for-FSI- 21,219.99 m², Non FSI- 27,270.45 m², total BUA- 48,490.44 m². (Plan approval No- P-13610/2022/(2/2)/F/North/SALTPAN/337/1/New, dated 20.06.2023) (Restricted as per appraisal)

General Conditions:

a) Construction Phase :-

- I. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. Disposal of muck, Construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in the approved sites with the approval of competent authority.
- III. 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.
- IV. 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.
- V. Arrangement shall be made that waste water and storm water do not get mixed.
- VI. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- VII. The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- VIII. Permission to draw ground water for construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- IX. 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.
- X. The Energy Conservation Building code shall be strictly adhered to.
- XI. All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- XII. Additional soil for levelling 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.
- XIII. 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.
- XIV. PP to strictly adhere to all the conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975 as amended during the validity of Environment Clearance.
- XV. 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.
- XVI. Vehicles hired for transportation of Raw material shall strictly comply the emission

- norms prescribed by Ministry of Road Transport & Highways Department. The vehicle shall be adequately covered to avoid spillage/leakages.
- XVII. 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.
- XVIII. Diesel power generating sets proposed as source of backup power for elevators and common area illumination during construction 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 is preferred. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- XIX. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings by a separate environment cell /designated person.

B) Operation phase:-

- I. a) The solid waste generated should be properly collected and segregated. b) Wet waste 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. c) Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.
- II. E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
- III. a) 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 MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. b) PP to give 100 % treatment to sewage /Liquid waste and explore the possibility to recycle at least 50 % of water, Local authority should ensure this.
- IV. 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.
- V. 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.
- VI. 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.
- VII. PP to provide adequate electric charging points for electric vehicles (EVs).

- VIII. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- IX. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- X. 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.
- XI. 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 parivesh.nic.in
- XII. 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.
- XIII. 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, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector 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.

C) General EC Conditions:-

- I. PP has to strictly abide by the conditions stipulated by SEAC & SEIAA.
- II. 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.
- III. 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.
- IV. 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.
- V. 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 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.
- VI. No further Expansion or modifications, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the SEIAA. In case of deviations or alterations in the project proposal from those submitted to

SEIAA for clearance, a fresh reference shall be made to the SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

VII. 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.

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.

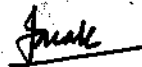
5. This Environment Clearance is issued purely from an environment point of view without prejudice to any court cases and all other applicable permissions/ NOCs shall be obtained before starting proposed work at site.

6. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time.

8. 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.

9. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Pravin Darade
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA, Mumbai.
2. Secretary, MoEF & CC, IA- Division MOEF & CC
3. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
4. Regional Office MoEF & CC, Nagpur
5. District Collector, Mumbai Suburabn.
6. Commissioner, Municipal Corporation of Greater Mumbai.
7. Regional Officer, Maharashtra Pollution Control Board, Mumbai.



BRIHANMUMBAI MUNICIPAL CORPORATION

Amended Plan Approval Letter

File No. P-13610/2022/(2/2)/F/North/SALT PAN/337/1/Amend dated 06.11.2024

<p>To, KASTURI KEDAR PEWEKAR Plot No. C-30, Block "G", Opp. SIDBI, Bandra Kurla Complex, Bandra (East)</p>	<p>CC (Owner), K.RAHEJA CORP REAL ESTATE PRIVATE LIMITED Plot No..C-30, Block 'G', Next to Bank of Baroda, Bandra Kurla Complex, Bandra (E) , Mumbai - 400051</p>
---	--

Subject : Proposed Residential building on plot bearing C.S. No. 2/2, Of Salt Pan Division at Sion Mumbai in F/North Ward Somaiya Ground, Chunabhatti, Sion, Mumbai - 400022..

Reference : Online submission of plans dated 30.09.2024

Dear Applicant/ Owner/ Developer,

There is no objection to your carrying out the work as per amended plans submitted by you online under reference for which competent authority has accorded sanction, subject to the following conditions.

- 1) That all the conditions of I.O.D. under even No. dated 17/07/2023 shall be complied with.
- 2) That the revised structural design / calculations / details / drawings shall be submitted before extending C.C.
- 3) That payment towards following shall be made before asking for C.C.a) Development Charges, b)Extra Water / Sewerage charges at A.E.W.W. 'F/N Ward Office, c) Labour welfare Cess.d) Fungible Premium e) Staircase, lift, lift lobby premium for both wing, f) Open space deficiency Additional development cess
- 4) That the final N.O.C. from C.F.O. shall be submitted before asking for Occupation permission.
- 5) That the drainage layout shall be revised and be got approved from this office before carrying out further drainage work.
- 6) Fresh Tax Clearance certificate from AA & C 'F/N' ward shall be submitted before endorsement of CC
- 7) That the work shall be carried out strictly as per approved plan.
- 8) That all condition and direction specified in the order of Hon'ble Supreme Court dated 15.3.2018 in dumping ground case shall be complied with
- 9) That the C.C. shall be got endorsed as per the amended plan.
- 10) That the adequate safeguards shall be employed in consultation with SWM dept of MCGM for preventing dispersal of particles throughair and construction debris generated shall not be deposited in specific site inspect and approved by SWM department of MCGM.
- 11) That the revise parking remarks shall be submitted.
- 12) That the NOC from E.E.(M&E)/Consultant for Basement / AVS shall be submitted



For and on behalf of Local Authority
Municipal Corporation of Greater Mumbai
Executive Engineer . Building Proposal
City

Copy to :

- 1) Assistant Commissioner, F/North
 - 2) A.E.W.W., F/North
 - 3) D.O. F/North
- Forwarded for information please.



Stamp and signature of Pankaj Shridhar Bhoir, Architect, with contact details and professional information.

PROFORMA - A Area Statement Sq.mtrs. 6,150.57

Table with 20 rows detailing area statements, including sections for Area of Plot As per R. Cards, Deduction, Proposed Road, Any Reservations, Balance Area of Plot, Area under Amenity Open Space, Balance Area of Plot for FSI calculations, Additional FSI, Admissible TDR, and Proposed BUA.

PROFORMA - B CONTENTS OF THE SHEET BLOCK PLAN, LOCATION PLAN & AREA STATEMENT

DESCRIPTION OF PROFFAL & PROPERTY PROPOSED RESIDENTIAL DEVELOPMENT ON PLOT BEARING C.S. NO 2/2 (part) OF SALT PAN DIVISION SITUATED IN FIN WARD, MUMBAI.

NAME OF OWNER Ramesh Ranganathan K RAHEJA CORP REAL ESTATE PVT LTD

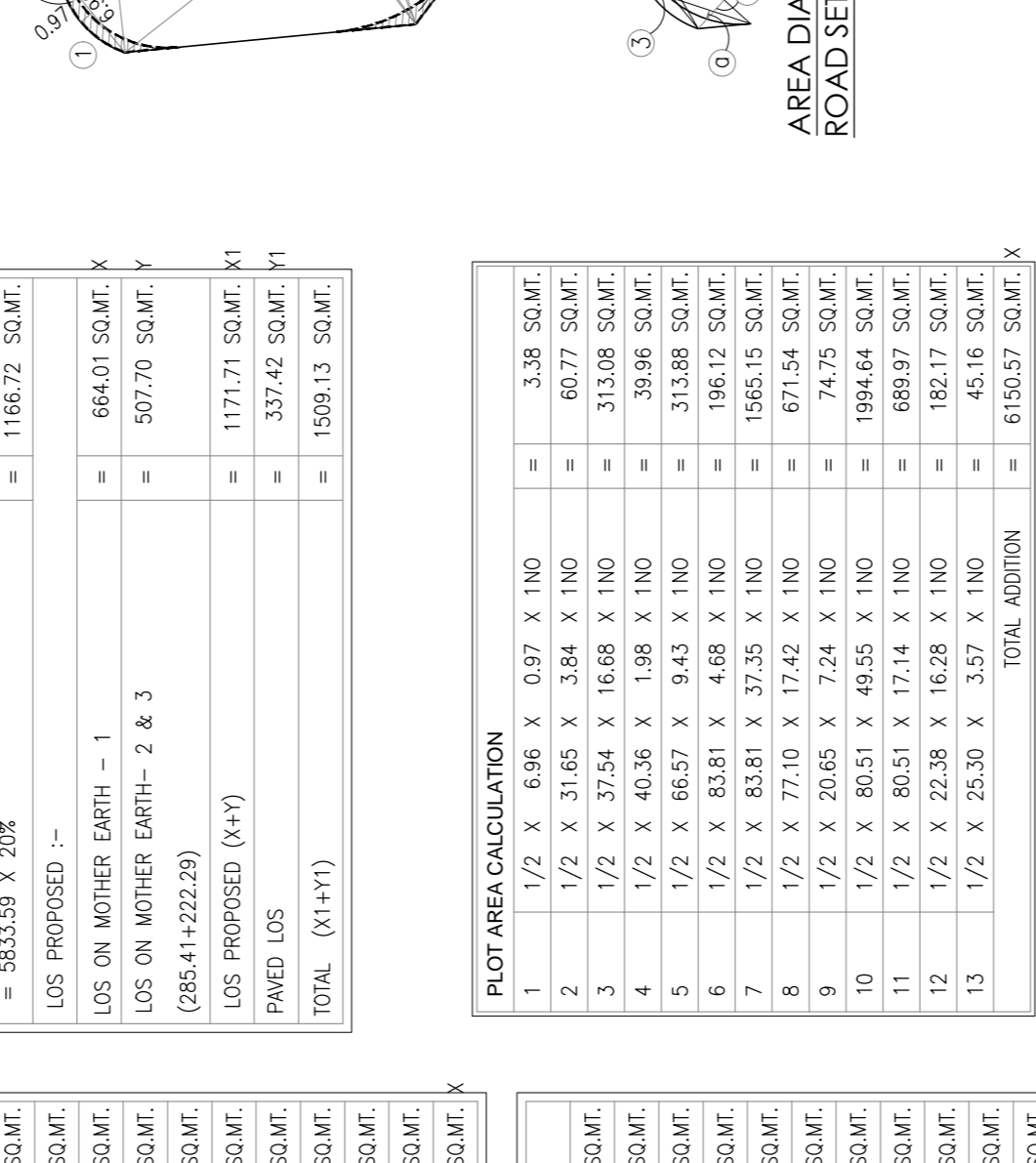
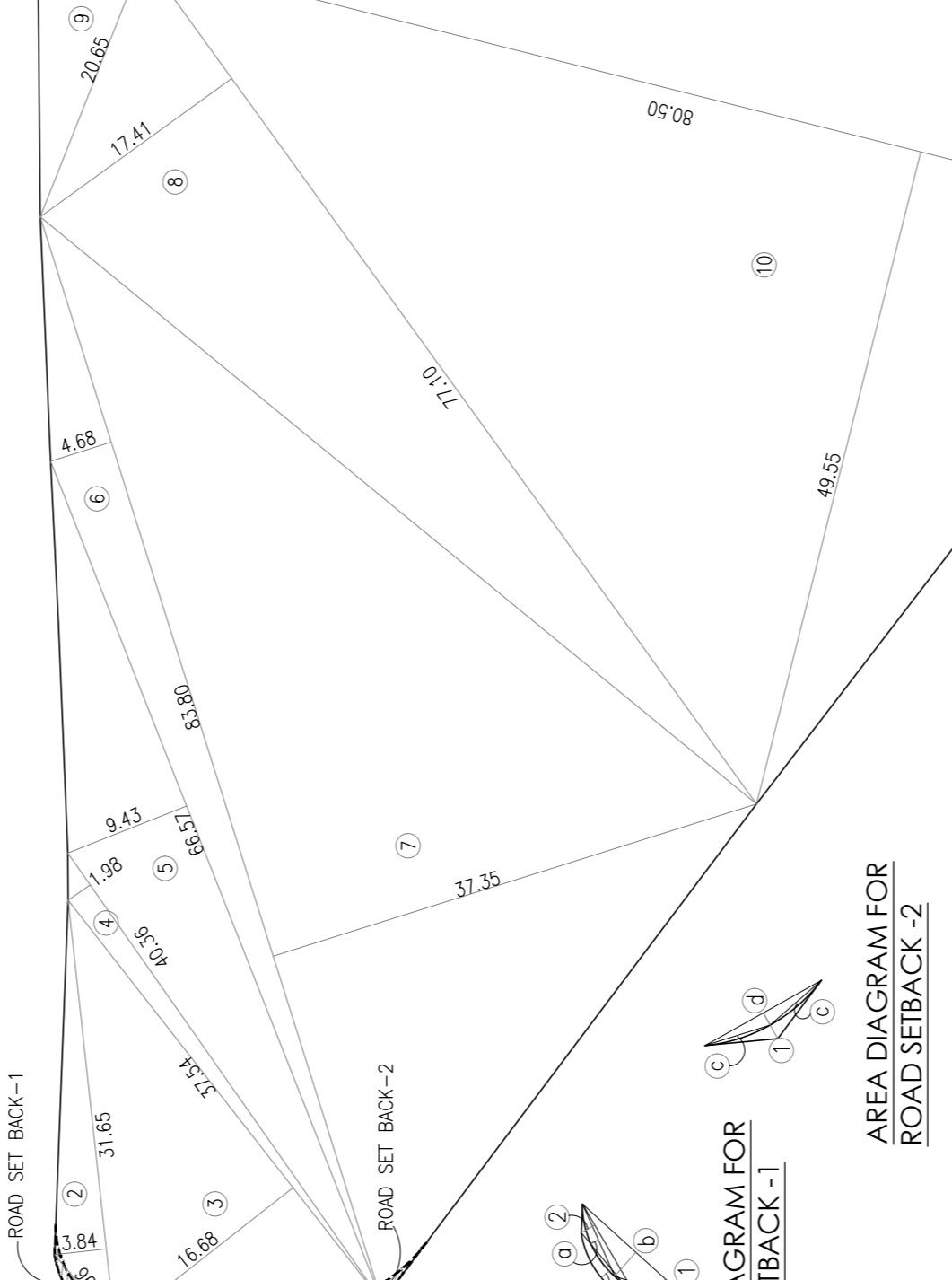
PROFORMA - C CERTIFICATE FOR AREA RAHEJA TOWER, PLOT C-30, BLOCK-G, BANDRA KURIA COMPLEX, BANDRA - EAST, MUMBAI - 400 051.

PROFORMA - D KASTURI KEDAR PEWEKAR ARCHITECT RAHEJA TOWER, PLOT C-30, BLOCK-G, BANDRA KURIA COMPLEX, BANDRA - EAST, MUMBAI - 400 051.

CERTIFICATE FOR AREA CERTIFIED THAT I HAVE SURVEYED THE PLOT UNDER REFERENCE...

AREA SUMMARY (IN SQ.MTRS.) Table with columns for Wing A, Wing B, Wing C, Wing D, Wing E, Wing F, Wing G, Wing H, Wing I, Wing J, Wing K, Wing L, Wing M, Wing N, Wing O, Wing P, Wing Q, Wing R, Wing S, Wing T, Wing U, Wing V, Wing W, Wing X, Wing Y, Wing Z, Wing AA, Wing AB, Wing AC, Wing AD, Wing AE, Wing AF, Wing AG, Wing AH, Wing AI, Wing AJ, Wing AK, Wing AL, Wing AM, Wing AN, Wing AO, Wing AP, Wing AQ, Wing AR, Wing AS, Wing AT, Wing AU, Wing AV, Wing AW, Wing AX, Wing AY, Wing AZ, Wing BA, Wing BB, Wing BC, Wing BD, Wing BE, Wing BF, Wing BG, Wing BH, Wing BI, Wing BJ, Wing BK, Wing BL, Wing BM, Wing BN, Wing BO, Wing BP, Wing BQ, Wing BR, Wing BS, Wing BT, Wing BU, Wing BV, Wing BW, Wing BX, Wing BY, Wing BZ, Wing CA, Wing CB, Wing CC, Wing CD, Wing CE, Wing CF, Wing CG, Wing CH, Wing CI, Wing CJ, Wing CK, Wing CL, Wing CM, Wing CN, Wing CO, Wing CP, Wing CQ, Wing CR, Wing CS, Wing CT, Wing CU, Wing CV, Wing CW, Wing CX, Wing CY, Wing CZ, Wing DA, Wing DB, Wing DC, Wing DD, Wing DE, Wing DF, Wing DG, Wing DH, Wing DI, Wing DJ, Wing DK, Wing DL, Wing DM, Wing DN, Wing DO, Wing DP, Wing DQ, Wing DR, Wing DS, Wing DT, Wing DU, Wing DV, Wing DW, Wing DX, Wing DY, Wing DZ, Wing EA, Wing EB, Wing EC, Wing ED, Wing EE, Wing EF, Wing EG, Wing EH, Wing EI, Wing EJ, Wing EK, Wing EL, Wing EM, Wing EN, Wing EO, Wing EP, Wing EQ, Wing ER, Wing ES, Wing ET, Wing EU, Wing EV, Wing EW, Wing EX, Wing EY, Wing EZ, Wing FA, Wing FB, Wing FC, Wing FD, Wing FE, Wing FF, Wing FG, Wing FH, Wing FI, Wing FJ, Wing FK, Wing FL, Wing FM, Wing FN, Wing FO, Wing FP, Wing FQ, Wing FR, Wing FS, Wing FT, Wing FU, Wing FV, Wing FW, Wing FX, Wing FY, Wing FZ, Wing GA, Wing GB, Wing GC, Wing GD, Wing GE, Wing GF, Wing GH, Wing GI, Wing GJ, Wing GK, Wing GL, Wing GM, Wing GN, Wing GO, Wing GP, Wing GQ, Wing GR, Wing GS, Wing GT, Wing GU, Wing GV, Wing GW, Wing GX, Wing GY, Wing GZ, Wing HA, Wing HB, Wing HC, Wing HD, Wing HE, Wing HF, Wing HG, Wing HH, Wing HI, Wing HJ, Wing HK, Wing HL, Wing HM, Wing HN, Wing HO, Wing 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LW, Wing LX, Wing LY, Wing LZ, Wing MA, Wing MB, Wing MC, Wing MD, Wing ME, Wing MF, Wing MG, Wing MH, Wing MI, Wing MJ, Wing MK, Wing ML, Wing MM, Wing MN, Wing MO, Wing MP, Wing MQ, Wing MR, Wing MS, Wing MT, Wing MU, Wing MV, Wing MW, Wing MX, Wing MY, Wing MZ, Wing NA, Wing NB, Wing NC, Wing ND, Wing NE, Wing NF, Wing NG, Wing NH, Wing NI, Wing NJ, Wing NK, Wing NL, Wing NM, Wing NN, Wing NO, Wing NP, Wing NQ, Wing NR, Wing NS, Wing NT, Wing NU, Wing NV, Wing NW, Wing NX, Wing NY, Wing NZ, Wing OA, Wing OB, Wing OC, Wing OD, Wing OE, Wing OF, Wing OG, Wing OH, Wing OI, Wing OJ, Wing OK, Wing OL, Wing OM, Wing ON, Wing OO, Wing OP, Wing OQ, Wing OR, Wing OS, Wing OT, Wing OU, Wing OV, Wing OW, Wing OX, Wing OY, Wing OZ, Wing PA, Wing PB, Wing PC, Wing PD, Wing PE, Wing PF, Wing PG, Wing PH, Wing PI, Wing PJ, Wing PK, Wing PL, Wing PM, Wing PN, Wing PO, Wing PP, Wing PQ, Wing PR, Wing PS, Wing PT, Wing PU, Wing PV, Wing PW, Wing PX, Wing PY, Wing PZ, Wing QA, Wing QB, Wing QC, Wing QD, Wing QE, Wing QF, Wing QG, Wing QH, Wing QI, Wing QJ, Wing QK, Wing QL, Wing QM, Wing QN, Wing QO, Wing QP, Wing QQ, Wing QR, Wing QS, Wing QT, Wing QU, Wing QV, Wing QW, Wing QX, Wing QY, Wing QZ, Wing RA, Wing RB, Wing RC, Wing RD, Wing RE, Wing RF, Wing RG, Wing RH, Wing RI, Wing RJ, Wing RK, Wing RL, Wing RM, Wing RN, Wing RO, Wing RP, Wing RQ, Wing RR, Wing RS, Wing RT, Wing RU, Wing RV, Wing RW, Wing RX, Wing RY, Wing RZ, Wing SA, Wing SB, Wing SC, Wing SD, Wing SE, Wing SF, Wing SG, Wing SH, Wing SI, Wing SJ, Wing SK, Wing SL, Wing SM, Wing SN, Wing SO, Wing SP, Wing SQ, Wing SR, Wing SS, Wing ST, Wing SU, Wing SV, Wing SW, Wing SX, Wing SY, Wing SZ, Wing TA, Wing TB, Wing TC, Wing TD, Wing TE, Wing TF, Wing TG, Wing TH, Wing TI, Wing TJ, Wing TK, Wing TL, Wing TM, Wing TN, Wing TO, Wing TP, Wing TQ, Wing TR, Wing TS, Wing TT, Wing TU, Wing TV, Wing TW, Wing TX, Wing TY, Wing TZ, Wing UA, Wing UB, Wing UC, Wing UD, Wing UE, Wing UF, Wing UG, Wing UH, Wing UI, Wing UJ, Wing UK, Wing UL, Wing UM, Wing UN, Wing UO, Wing UP, Wing UQ, Wing UR, Wing US, Wing UT, Wing UY, Wing UZ, Wing VA, Wing VB, Wing VC, Wing VD, Wing VE, Wing VF, Wing VG, Wing VH, Wing VI, Wing VJ, Wing VK, Wing VL, Wing VM, Wing VN, Wing VO, Wing VP, Wing VQ, Wing VR, Wing VS, Wing VT, Wing VY, Wing VZ, Wing WA, Wing WB, Wing WC, Wing WD, Wing WE, Wing WF, Wing WG, Wing WH, Wing WI, Wing WJ, Wing WK, Wing WL, Wing WM, Wing WN, Wing WO, Wing WP, Wing WQ, Wing WR, Wing WS, Wing WT, Wing WY, Wing WZ, Wing XA, Wing XB, Wing XC, Wing XD, Wing XE, Wing XF, Wing XG, Wing XH, Wing XI, Wing XJ, Wing XK, Wing XL, Wing XM, Wing XN, Wing XO, Wing XP, Wing XQ, Wing XR, Wing XS, Wing XT, Wing XU, Wing XV, Wing XW, Wing XX, Wing XY, Wing XZ, Wing YA, Wing YB, Wing YC, Wing YD, Wing YE, Wing YF, Wing YG, Wing YH, Wing YI, Wing YJ, Wing YK, Wing YL, Wing YM, Wing YN, Wing YO, Wing YP, Wing YQ, Wing YR, Wing YS, Wing YT, Wing YU, Wing YV, Wing YW, Wing YX, Wing YY, Wing YZ, Wing ZA, Wing ZB, Wing ZC, Wing ZD, Wing ZE, Wing ZF, Wing ZG, Wing ZH, Wing ZI, Wing ZJ, Wing ZK, Wing ZL, Wing ZM, Wing ZN, Wing ZO, Wing ZP, Wing ZQ, Wing ZR, Wing ZS, Wing ZT, Wing ZY, Wing ZZ

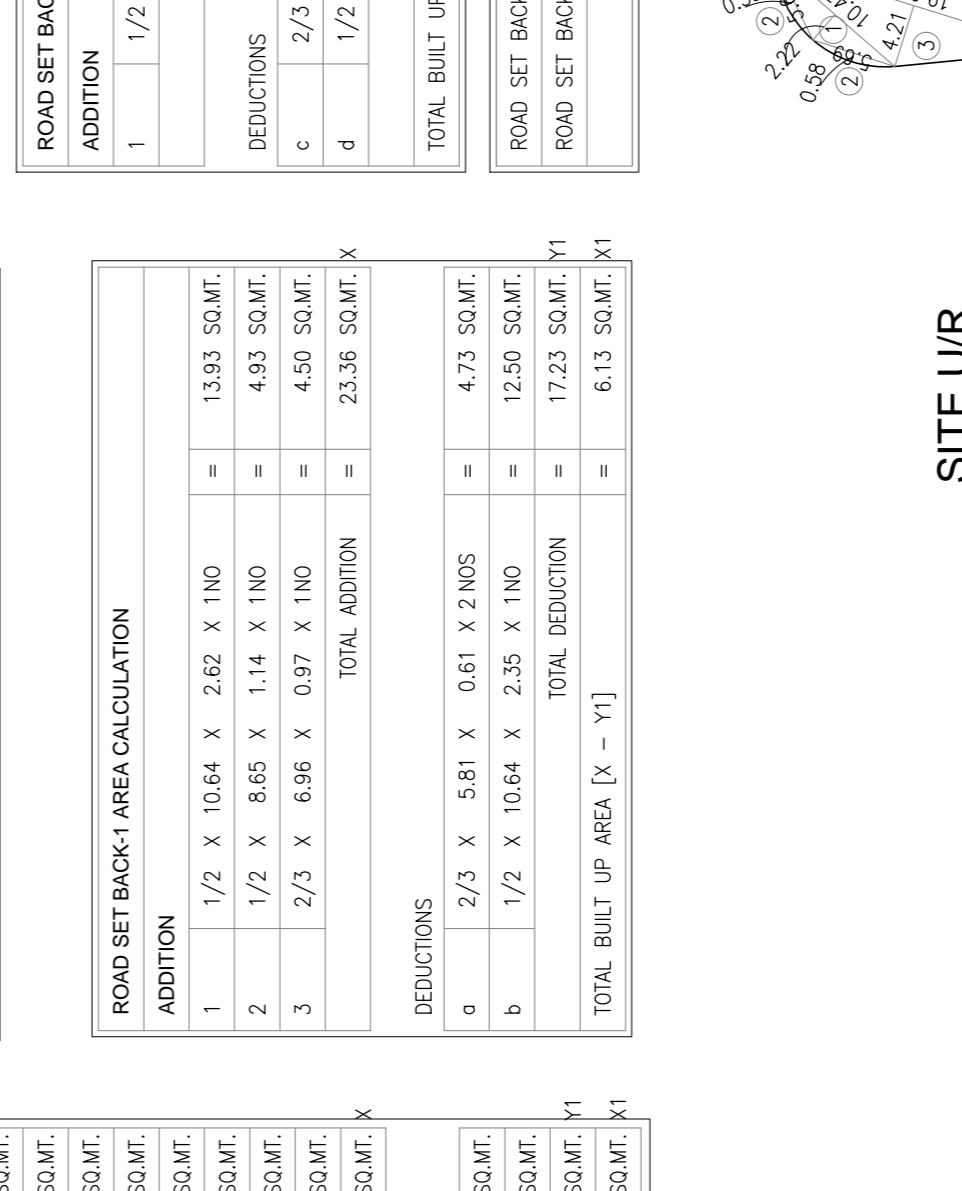
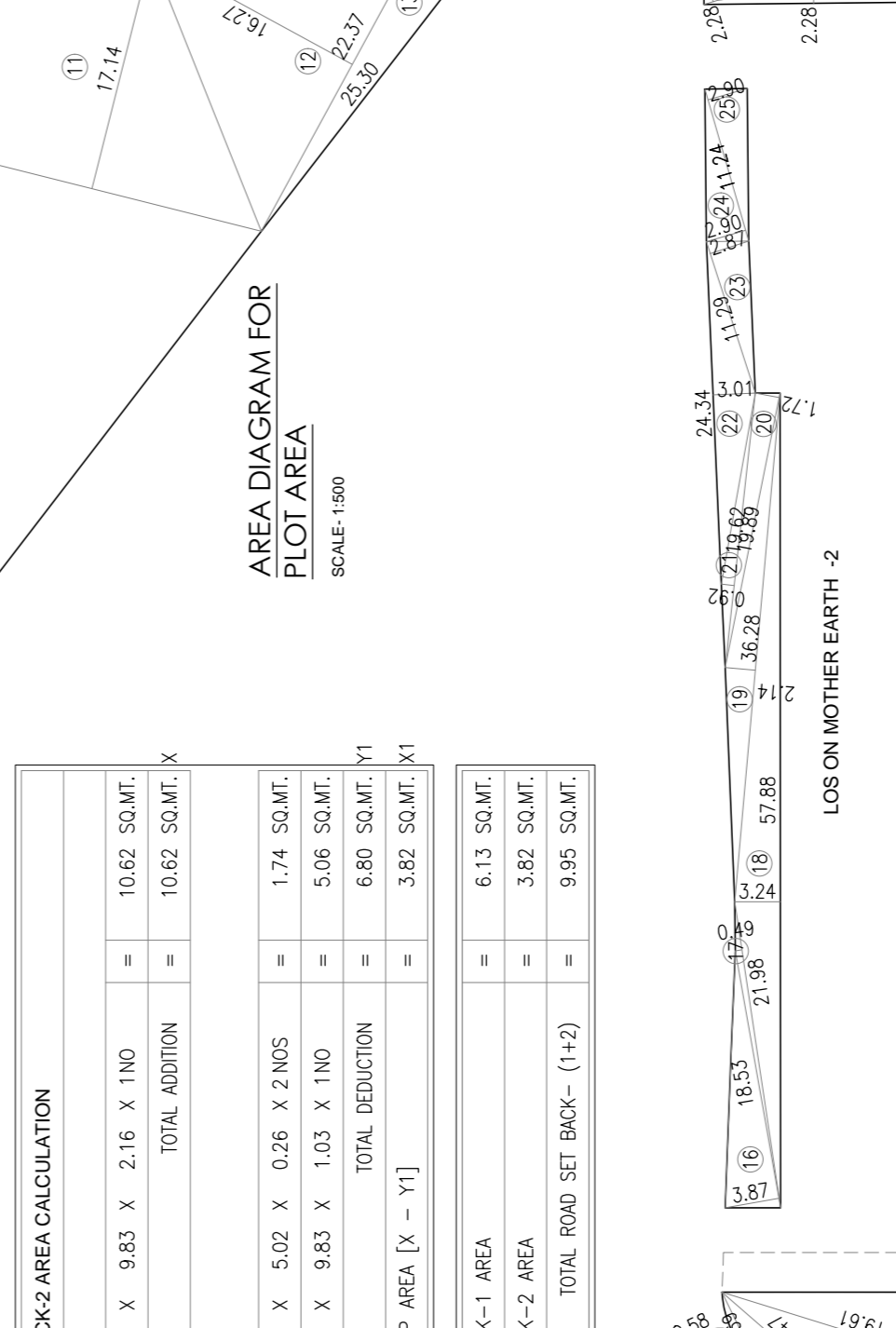
TDR UTILIZATION TABLE showing Net plot area, TDR/DR, and Total TDR purchased/Not Purchased.



ROAD SET BACK-1 AREA CALCULATION table with columns for ADDITION and DEDUCTIONS.

ROAD SET BACK-2 AREA CALCULATION table with columns for ADDITION and DEDUCTIONS.

ROAD SET BACK-3 AREA CALCULATION table with columns for ADDITION and DEDUCTIONS.

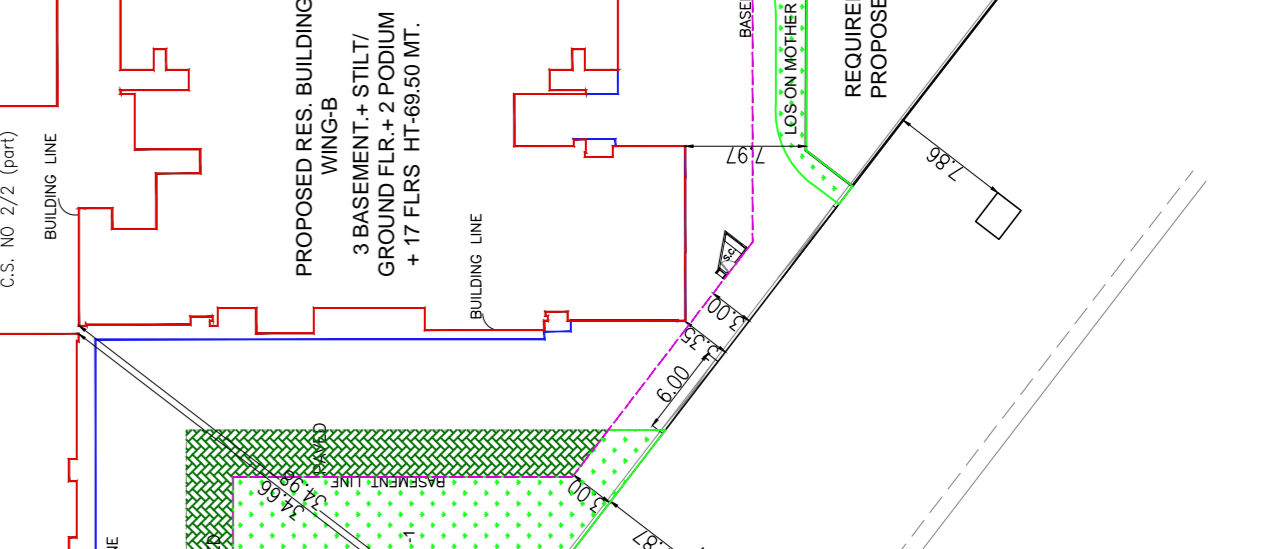
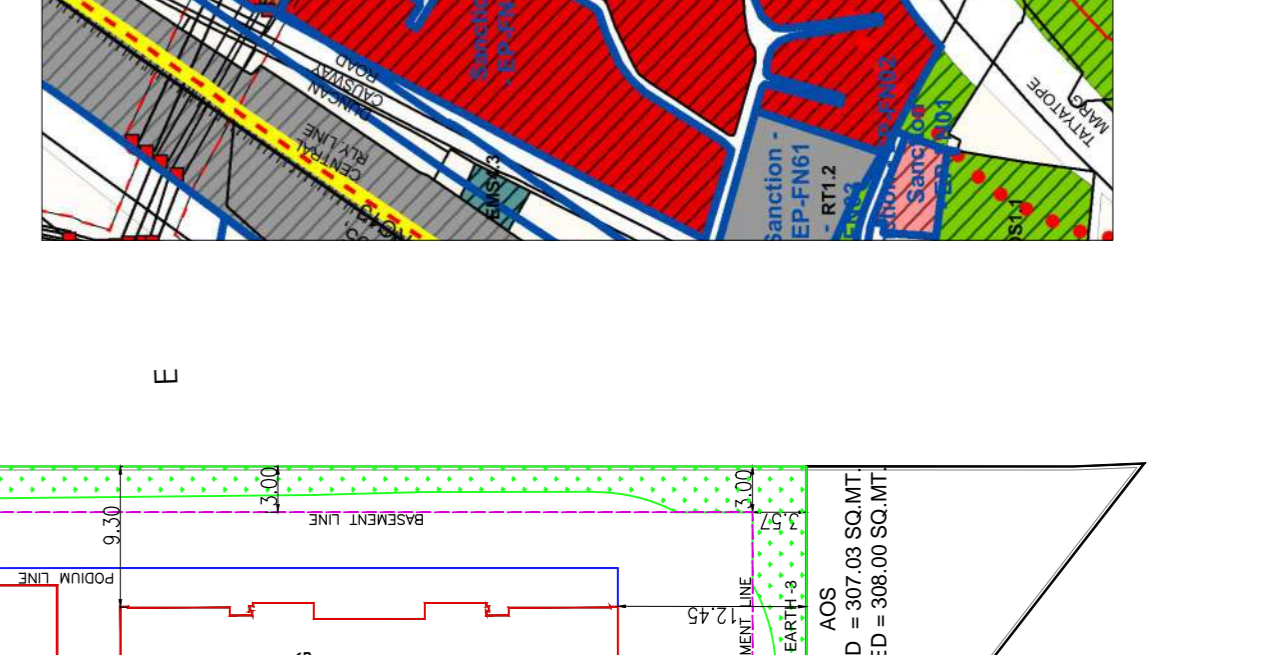
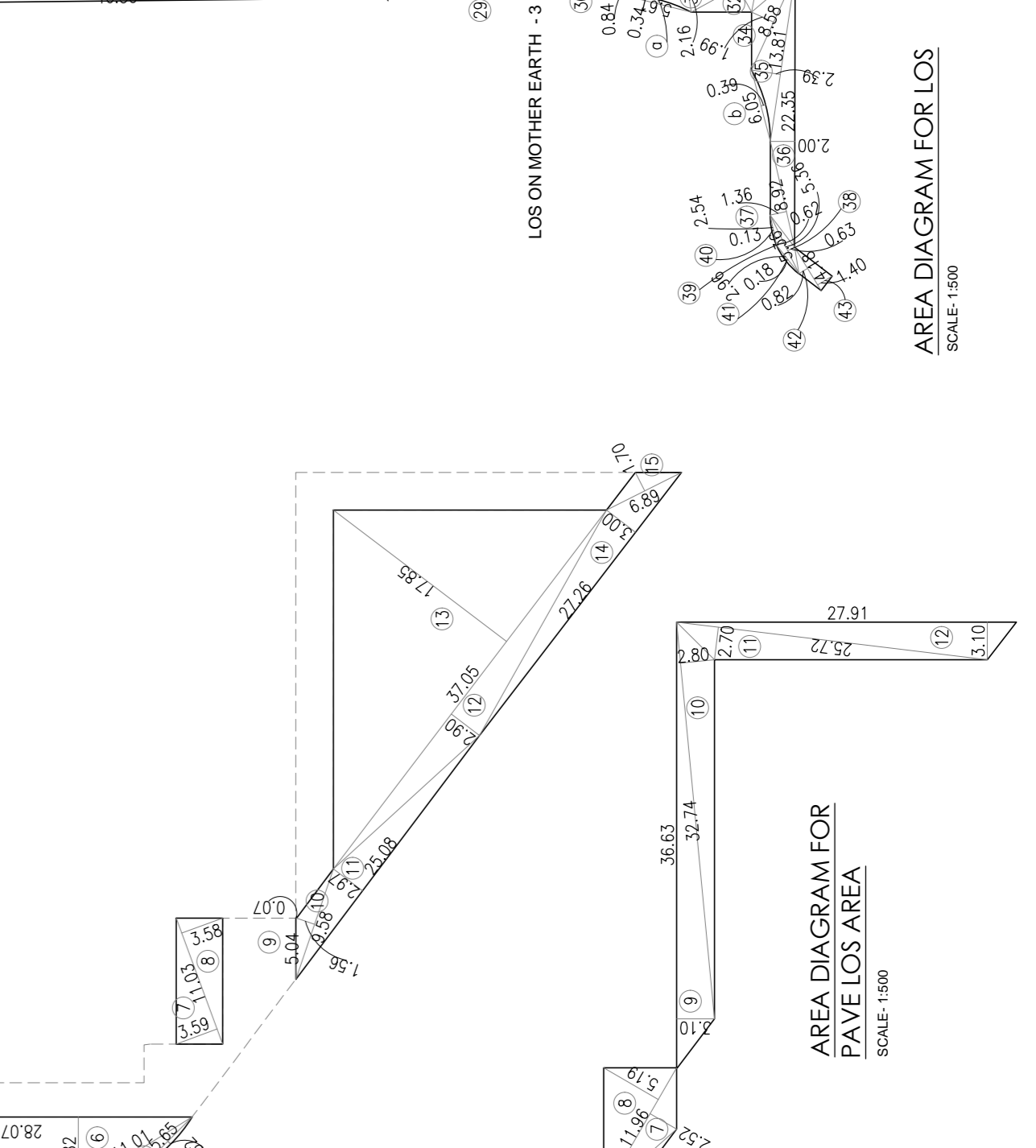


LOS ON MOTHER EARTH-1 table with columns for LOS No., Area, and Total Area.

LOS ON MOTHER EARTH-2 table with columns for LOS No., Area, and Total Area.

LOS ON MOTHER EARTH-3 table with columns for LOS No., Area, and Total Area.

LOS ON MOTHER EARTH-4 table with columns for LOS No., Area, and Total Area.





RECEIPT NO. 2266469

BRIHANMUMBAI MAHANAGAR PALIKA WARD

RECEIPT VOUCHER BRIHANMUMBAI MUNICIPAL CORPORATION Hydraulic Engineers Department				IDN No : 123072400017 Receipt No : 2324HER00498692 Date : 23-11-2023			
NAME		K RAHEJA CORP REAL ESTATE PRIVATE LIMITED					
ADDRESS		C. S. No. 2/2, Salt Pan Division, 400022					
PLACE OF SUPPLY	STATE NAME	STATE CODE	REGISTERED	PAN	GSI NO.	UIN NO.	
F/North-ward	MAHARASHTRA	27	Counter 3-F/NORTH				
Bill No.	Bill Date	Bill Amount Due	DD/Chq. Dt.	DD/Chq. No.	MICR Code	Cash/DD/Chq. Amt.	
2324HER00033603	23-11-2023	1440			1440		
Total		1440	Total	:	1440		
AMOUNT IN WORDS	One Thousand And Four Hundred And Forty ONLY						
PAYMENT DETAILS	Full Payment						
BANK NAME/BRANCH		DACC NO					
NET AMOUNT	CGST	SGST	UTGST	IGST	GROSS VALUE		
1440	0	0	0	0	1440		
PAN NO : AAALM0042L		Common Seal		FOR BRIHANMUMBAI MUNICIPAL CORPORATION			
GSTIN : 27AAALM0042L324				Created by : Gaherwal, V		Authorized Signatory	
Regd. Office : BMC, Head Office, Mahapalika Marg Fort, Mumbai 400001				E&O.E			
Website : https://aquaptax.mcom.gov.in/aqua/citizenportal/				i of i Receipts			

Cheque Received Subject to Reallsation

BRIHANMUMBAI MUNICIPAL CORPORATION

ANNEXURE V

FN/ 312/AE(P.S) Dtd. 07/02/2024

Office of the
Assistant Engineer (S.O.) P.S
F/ North Ward 3rd Floor,
96, Bhanu Daji Road,
Matunga, Mumbai - 400 019.

To,
Mr. Kasturi Kedar Pewekar
M/s Kasturi Pewekar Architect
Plot No. C-30, Block 'G',
Opp. SIDBI, Bandra Kurta Complex,
Bandra (East), Mumbai- 400051.

Sub: Temporary drainage line permission for labours toilet for the proposed residential building on plot bearing C.S. No. 2/2 (Part) of Salt Pan Division at Somaia Ground, Sion, Mumbai in F/North Ward.

Ref: 1) Your received letter Dt. 30.11.2023.
2) IOD under no. P-13610/2022/(2)/F/North/Salt Pan/337/1/NEW dated. 17/07/2023.

Gentleman,

With reference to your above application, this office has no objection for labours toilet for the proposed residential building on plot bearing C.S. No. 2/2 (Part) of Salt Pan Division at Somaia Ground, Sion, Mumbai in F/North Ward.

❖ Subject to following terms and conditions.

1. That the temporary labour toilet block shall be connected to existing septic tank temporarily.
2. That only the overflow of septic tank is to be connected to nearby SWD nalla.
3. That this permission stands revoked immediately after approval and completion of drainage layout by Ex. Engr. (BP) city.
4. The septic tank should be periodically clean at your expenses.
5. In case of any complaint received regarding the non-maintenance of septic tank, the permission will be revoked.

In case of breach of any of above mentioned condition, this permission shall stands revoked which please be noted.

Yours faithfully,


Assistant Engineer

(S.O)Pipe/Sewer F/North



BRIHANMUMBAI MUNICIPAL CORPORATION

Storm Water Drain Remarks Issued u/n /000828/2023/F/N/CTY

Dated : 14 Sep 2023

Office of the :

Dy. Ch. Eng. (Storm Water Drains)
P.C. Eng. Hub Bldg. Dr.E. Moses Road,
Acharya Atre Chowk , Worli Naka,
Worli, Mumbai-400018

To,

Shri. KASTURI KEDAR PEWEKAR
Plot No. C-30, Block "G", Opp. SIDBI, Bandra Kurla
Complex, Bandra (East)

CC,

Mehta Nikhil Rameshchandra , L.P.
No. - 2451,
A 1201, Hubtown Shikhar, Parsi
Panchayat Road, Opp. Sona Udyog,
Andheri (E.), Mumbai-400069.

CC,

K.RAHEJA CORP REAL ESTATE PRIVATE
LIMITED
Plot No..C-30, Block 'G', Next to Bank of
Baroda, Bandra Kurla Complex, Bandra
(E) , Mumbai - 400051

Subject : Storm Water Drains Remark for C.T.S./C.S. No. 2/2 of Village/Div. 2039 at City,F/North, Mumbai.

Reference: 1) Application No. P-13610/2022/(2/2)/F/North/SALT PAN-SWD/1/New dated 07 Aug 2023
2) I.O.D No.P-13610/2022/(2/2)/F/North/SALT PAN-IOD dated 7/17/2023 12:34:53
PM

Dear Applicant,

With reference to the above referred letter at Sr. No. 1, the Storm Water Drain remarks for the plot under reference is as per, subject to the following conditions :-

1. The minimum formation / ground level of plot under reference shall be at least 28.04 M. (92.00') THD or 15 cm. (6") above the formation level of proposed footpath, if any, raised footpath / existing access, abutting / proposed road, whichever is higher.
2. The Storm Water Drain suggested shall be laid as per Municipal Specifications using R.C.C. pipes NP2 class below 450 mm. dia. and NP3 class pipe for 450 mm. dia. and above pipes, (I.S.I. Mark only) duly encased with 15 cm. thick M-15 cement concrete all around along with provision of water entrances at 10 m c/c / catch pits having minimum size of 450mm. x 450mm. covered with M.S. / C.I. gratings. The built up drain shall be covered with Precast R.C.C. / C.I. grating for entire length. The velocity of flow shall be maintained at 1.2M. / Sec. (4' / sec.) while the drain is running full.
3. The access / internal layout roads / D.P. Roads shall be provided with closed Storm Water Drain with regular water entrances at 15 M., (50') and manholes at 15 M., (50') c/c at developer's cost.
4. Required catch pit chambers shall be provided at suitable location/ junctions. which shall be 60 cm (2') below the invert of pipes. The internal S. W. Drain arrangement shall be provided as follows :-
 - a) 0 mm. dia. R.C.C. pipes (slope 1:150) shall be provided.
 - b) 0 mm. dia built up drain for RG/PG shall be in cement concrete of Grade M-20 having minimum thickness of walls of 20 cm. which shall be covered with gratings where ever required with minimum depth of 300 mm. at starting point @ slope 1:400.
 - c) In case of Podium is proposed then the down take pipes of 100 mm. dia. from podium / terrace level up to ground level shall be

provided which shall be connected to the water entrance on ground level within property. The slope to the surface of podium / terrace shall be given in such a way that all the storm water from podium / terrace will flow towards down take pipes without stagnation.

5. The side / marginal open spaces shall be leveled, consolidated and paved with cement concrete with proper slope in such a way to discharge the storm water into proposed storm water entrances.
6. Before starting of the work, invert levels of manhole on Municipal storm water drain to which internal S. W. Drain is to be connected shall be confirmed on site with respect to invert level of last catch pit chamber.
7. You shall carry out the entire S.W.D. work through the Licensed Plumber and under supervision of Licensed Supervisor.
8. These remarks are given from the point of view of disposal of storm water only, without prejudice to the boundaries of the plot shown, ownership of plot, status of existing structures on it, if any, and use of the land under reference.
9. That during the execution work of the proposed building, if any Storm Water Drain, is found existing within the plot shall be brought to the notice of this office immediately & the drain shall be diverted in coordination with SWD dept..
10. These remarks are offered without taking into consideration the system of rain water harvesting. If rain water harvesting system is proposed in future, then overflow connection of 300mm dia RCC pipe from the Rain Water Harvesting well/ tank shall be provided and the same shall be connected to the nearest water entrance within the plot.
11. Architect shall upload the plan showing proposed storm water drain arrangement.

12. REGARDING STREET CONNECTION :

a) You shall make min 1 or 2 connections as per site conditions minimum 0 mm duly encased with 15 cm. Thick Min of M-15 grade cement concrete all around from last catch pit chamber to Municipal S.W. Manhole, along with shifting of any utilities if necessary, at Developer's risk and cost and certificate for shifting of water entrance from A.E.(SWM) of concerned Ward shall be submitted to this office. The connection shall be made only after the necessary permission for road opening is obtained from A.E. (Maint) of concerned Ward.

b) The work of providing S.W. Drain from last catch pit chamber to Municipal S.W. Drain shall be carried out under the supervision and as per suggestions of A.E. (SWM.) of concerned Ward.

c) In case, if it is not possible to connect internal S.W. Drain to existing manhole on Municipal Storm Water Drain due to site conditions / difficulties or if the existing manhole is far away from the plot, then the internal S.W. Drain shall be connected to Municipal S.W. Drain by constructing additional manhole on Municipal S.W. Drain at developer's cost.

13. REGARDING SETBACK PORTION AND BASEMENT

a) As regards road and footpath work in setback portion, you are requested to obtain remarks from E.E.(Road)City. / E.E.(T.& C.) City / A.E.(Survey) City.

b) In setback portion, after construction of foot path water entrance should be shifted suitably by extending existing lateral by [! Dia] mm. dia. R.C.C. pipe (NP2 class) as per municipal specifications and drawings in consultation with and under supervision of A.E.(SWM) of concerned Ward at developer's risk and cost and certificate for shifting of water entrance from A.E.(SWM)/Ward shall

be submitted to this office. Before executing the work of the proposed shifting of the water entrance, you are requested to obtain remarks from E.E. (Roads) City, so that the position of the proposed water entrance can be fixed. Please note that if shifting of water entrance will not be possible by extending the existing pipes then you will have to provide new water entrances at suitable place at your cost.

c) The necessary arrangement shall be provided in basement / Car Lift Pit parking in accordance with I.S. 12251 - 1987(Re - affirmed) for proper collection and disposal of storm water. The arrangement shall also be made to pump out / drain out the water of the basement / Car Lift Pit parking to the nearest water entrance within the property by providing sump well.

d) An Indemnity Bond duly notarized on stamp paper of Rs. 200/- shall be submitted to the Ex. Eng. (S.W.D.) Planning Cell indemnifying M.C.G.M. against any losses, damages, etc., if occurred, due to flooding in the basement/ Car lift pit under reference and stating that the same will be binding on Owner / Developer and their legal heirs / successors or whosoever deriving title through them.

14. REGARDING COMPLETION CERTIFICATE :-

You shall apply online for completion certificate on completion of internal storm water drain work and after street connection is done along with following details:-

- a) Certificate in appendix II format along with completion plan of SWD as carried out on site as per municipal specifications duly certified by Architect/ LS / Licensed plumber.
- b) Remarks and sketch from office of the concerned ward about street connection completion from last catch pit chamber to Municipal S.W. Drain.
- c) Remarks and sketch from office of the concerned ward about shifting of water entrances Completion if affected by road setback.

15. The Completion Certificate shall be obtained on completion of the work of internal Storm Water Drain as per Municipal specifications from this office.

Notes:

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S. / L.P. and if in future it is found that the data is incorrect / fraudulent then the remarks deemed to be treated as cancelled and necessary action will be initiated
2. The above remarks are system generated and does not require any signatures.
3. All the carriage entrances / culverts shall be designed and constructed considering - "AA" class loading.

BRIHANMUMBAI MUNICIPAL CORPORATION
MUMBAI FIRE BRIGADE.

Office of the Dy. Chief Fire Officer (R-II), Wadala Fire Station, Shaikh Mistry Dargah road,
C.G.S. Colony, Opp. MHADA Colony, Antop Hill, Wadala, Mumbai-400 037. Telephone No.
24132058 Fax No. 24153027

Sub: "Fire Protection & Fire Fighting requirements" stipulated to do the compliance for the proposed plans of High rise Residential building under Reg. 30 of DCPR-2034 on plot bearing C.S. No. 2/2, Of Salt Pan Division at Sion Mumbai in F/North Ward Somaiya Ground, Chunabhatti, Sion, Mumbai – 400022.

Ref: 1) Online proposal u/No. P-13610/2022/(2/2)/F/North/SALT PAN/337/1/New, dated 30/01/2023 by Mrs. Kasturi Kedar Pewekar, Architect , Mumbai.

Mrs. Kasturi Kedar Pewekar,
Architect, Mumbai.

You have uploaded application dated 30/12/2022, building detail form-I, form-II, proposed plans under Regulation 30 of DCPR-2034 for the proposed high residential building comprising of three wings i.e. Wing-'A' , Wing-'B' and Wing-'D'. Wherein **Wing-'A'** and **Wing-'B'** will be proposed to be having common three level basement (-12.00 Mtrs. with 06.00 mtrs. wide two way ramp. 1st level basement (-03.00 mtrs.) will be for U.G. water storage tanks, Pump room & surface car parking by way of 06.00 mtrs. wide two way ramp, 2nd level basement (-07.50 mtrs.) will be for surface & stacked car parking by way of 06.00 mtrs. wide two way ramp & 3rd level basement (-12.00 mtrs.) will be for surface & stacked car parking by way of 06.00 mtrs. wide two way ramp + Common ground floor for D.G. room, Electric meter rooms, Panel room, Transformer room, Toilets, CFO/BMS room and entrance lobbies etc. + Common 1st & 2nd podium floor for surface car parking by way of 06.00 mtrs. wide two way ramp. Thereafter the building is divided into two wings. **Wing 'A'** will be proposed to be comprising of 1st floor partly common fitness centers for wing 'A' and wing 'B' and partly for residential user + 2nd to 17th upper residential floors with total height of **69.50 Mtrs.** from general ground level upto terrace level and **Wing 'B'** will be proposed to be comprising of 1st floor partly common fitness centers for wing 'A' and wing 'B' and partly for residential user + 2nd to 17th upper residential floors + terrace floor with swimming pool with total height of **69.50 Mtrs.** from general ground level upto terrace level. Adjoining to Wing-A on the west side **Wing 'D'** is proposed as inclusive housing and will be proposed to be comprising of two level basement (-05.65 Mtrs.) for services + 1st basement (-03.00 Mtrs.) for services + ground floor for pit and stack car parking and entrance lobby + 1st to 12th upper residential floors with total height of **44.70 Mtrs.** from general ground level upto terrace level as shown on the plans.

- **THREE LEVEL BASEMENT (-12.00 Mtrs.) (Common For Wing 'A' And Wing 'B'):-**
The proposed building will be having common three level basement (-12.00 mtrs.) for wing 'A' and wing 'B' proposed for Services, surface car parking, stack car parking and puzzle car parking system by way of 06.00 Mtrs. Wide two way ramp. You have mentioned that entire basement is provided with natural ventilation as per norms, through ventilation cut out/ shaft and side ventilators as shown in the plan.
- **TWO LEVEL BASEMENT (-05.65 Mtrs.) (For Wing 'D'):-**
The proposed building will be having two level basement (-05.65 mtrs.) proposed for Services. You have mentioned that entire basement is provided with natural/mechanical ventilation as per norms, through ventilation cut out/ shaft and side ventilators as shown in the plan.
- **PODIUM FLOOR (+ 12.20 Mtrs.) (Common For Wing 'A' And Wing 'B'):-**
The proposed wing 'A' and wing 'B' is having common 1st to 2nd podium floor marginally extended beyond building line for surface car parking by way of 06.00 Mtrs. Wide two way ramp.
- **DETAILS OF FLOOR WISE USER OF THE BUILDING (WING 'A' & Wing-B):-**

c) To liaise with the City Fire Brigade on regular & continual basis.

➤ **The concerned has paid the scrutiny fee & fire service fee as mentioned below:**

➤ **Scrutiny Fee:-**

a) Vide your letter dated 31/12/2022; you have certified the gross built up area as 48,843.00 Sq. Mtrs. and paid the scrutiny fees of Rs. 40, 05,130.00/- vide Receipt No. 0235049, 0235050 & 0235051 SAP.Doc. No. 1004508647, dated 12/01/2023.

➤ **Fire Service Fee:-**

a) You have you have certified the gross built up area as 48,843.00/- Sq. Mtrs. & the height of the high-rise residential building as 70.00 Mtrs and as per schedule II of section 11(1) of Maharashtra fire prevention & life safety Measure act 2006, has paid "Fire Service Fee" of Rs.7,32,645.00/- vide Receipt No. 0236560,0236561 & 0236562 & SAP.Doc. No. 1004514789, dated 19/01/2023.

However, you are requested to verify the gross built-up area and inform this department, if it is more for the purpose of levying additional scrutiny fees/fire service fee if required.

The plans approved along with the requirements stipulated for compliance, are approved as submitted online by Architect as per EODB circular without prejudice to legal matters pending in court of law, if any and from Fire risk/Fire safety point of view only. Approval of these plans does not mean in any way permission to start the proposed work. It is the Architects/Developer's responsibility to take necessary prior approval from all concerned authorities & others as per relevant regulation of MMC act for the proposed construction of the building.

Note :-

- Stipulating Fire protection & Fire-fighting requirements to do the compliance is for minimizing the chance of occurrence of Fire through active & passive measures. The consequential life & property loss due to fire, due to any noncompliance at any instance the owner/occupier/user/society as the case may be will be solely responsible.
- All the fire-fighting installations shall be carried out as per prevailing standard code of practising by Govt. Approved Licensed agency and certificate of that effect and certified schematic drawing of the same shall be obtained from Govt. Approved Licensed agency before applying for the compliance certificate from this department.
- This approval is issued only from Fire Protection & Fire-Fighting requirements point of view and shall not be treated as authorized/legal document. Any authorized or legal matter shall be cleared by owner/ occupier/ developer/ architects etc. It is issued for instant proposal only, considering the online application/information by Architect. It shall not be used as precedent for other proposals.
- If any matter in this case, not in consonance with DCPR 2034 then this proposal shall be referred back to this department for issuing fresh remarks.
- The width of abutting road & open spaces are mentioned in plans as submitted by the Architect/ License Surveyor attached herewith and these parameters shall be certified by the Architect/ License Surveyor. Same shall be complied before submission for obtaining the compliance to this department.
- These Fire protection & Fire Fighting requirements stipulated to do the compliance, for the instant online proposal as per E.O.D.B. circular. It is valid only subject to necessary approvals from all the competent authorities.

DEVENDRA
SHIVAJIRA
O PATIL

**Scrutinized & Prepared by
D.F.O. D.S. Patil**

**Copy to
E.E.B.P. (City)**

SANJAY
YESHWANT
MANJREKAR

**Approved By
C.F.O S.Y. Manjrekar**



BRIHANMUMBAI MUNICIPAL CORPORATION
(Solid Waste Management Department)

Office of Executive Engineer,
SWM SWM Zonal Office 2,

Application Number - P-13610/2022/(2/2)/F/North/SALT PAN/SWM/6/Amend, dated - 29 Aug 2024
Issued remarks Number **SWM/22198/2024/F/N/CTY** Dated **05 Nov 2024**.

To (Architect / L.S), KASTURI KEDAR PEWEKAR Plot No. C-30, Block "G", Opp. SIDBI, Bandra Kurla Complex, Bandra (East)	CC (Owner), K.RAHEJA CORP REAL ESTATE PRIVATE LIMITED Raheja Tower, Plot No. C-30, ' G ' Block, Bandra Kurla Complex, Bandra(East), Mumbai
--	---

Subject :- Approval to Construction & Demolition Waste Management Plan for the site at CTS/CS Number 2/2 of village SALT PAN at ward F/North.

Reference :- Your application / online submission for C&D Waste Management Plan levelling & filling at designated site dtd. 29 Aug 2024.

With reference to your application/ online submission, the Debris Management Plan submitted by you has been approved as per "Construction and Demolition Waste Rules 2016" and you are allowed to transport Construction & Demolition/ Excavation Material from construction site to the unloading site subject to following terms & conditions.

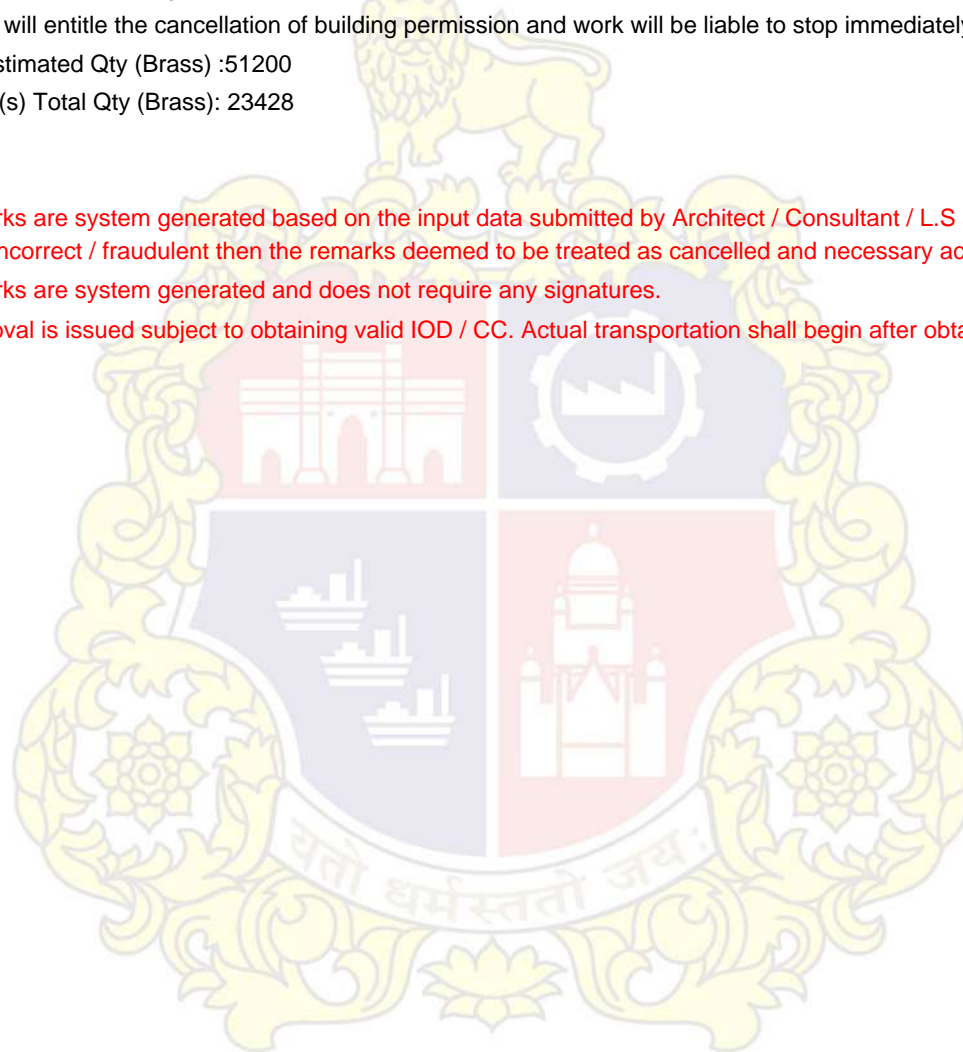
1. This approval is subject to the orders given by Hon. Supreme Court u/no. in SLP (Civil) No. D23708/2017 dated 15.3.2018. You shall follow this order of Hon. Supreme Court and instructions therein.
2. You shall handle & transport **Construction & Demolition Waste / Excavation Material to the extent of 9028 Brassto designated unloading site - Survey No.14/1/B, 14/2, 14/4,14/5, 14/6,15, 16,16/B,17/3,17/4/A, 17/4/B, 17/5,19/A,19/B, 19/C,19/D, 20/1/1, 21/1to 21/9, 21/11/B, 22, 24, 25/1/2, 25/2, 26/1to 26/8, 27/1/A, 27/2, 27/3/A, 27/3/B, 28/1/A, 28/1/C, 28/1/D, 30/1, 30/2, 30/4, 31/A, 39/B, 41/1, Ecohomes - Townships LLP, Village - Ranjnoli, Taluka-Bhivandi, Dist-Thane, .Shabbir Qureshi -9322340359 & validity 15 Feb 2025.**
3. You shall transport the C&D waste with proper precautions and employ adequate measures safe guards to dispersal of particles through the air.
4. You have mentioned designated site for transportation of C&D waste for filling and levelling purpose. The C&D waste shall be transported and deposited at the designated site only The Landfill site (unloading site) shall be governed by the Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016.
5. In the event for any reason whatsoever, the consent given by the Designated Site / Agency is revoked or the time limit for the designated site has expired or the capacity of unloading site is exhausted. In such case the builder / developer shall forthwith stop the transportation activities. The builder / developer shall submit revised Construction and Demolition waste management plan along with required valid documents for revalidation of existing C&D waste Management Plant.
6. The construction & Demolition Waste shall be transported through your Transport Contractor. The details of the same shall be uploaded in the system by the applicant at the time of actual transportation.
7. The deployed vehicles shall abide by all the R.T.O. rules and regulations. You shall ensure that the vehicles should be properly covered with tarpaulin or any other suitable material firmly to avoid any escape / fall of waste on road from moving vehicle. The body and wheels shall be cleaned and washed thoroughly to avoid spreading of waste on road.
8. The copy of approved Construction and Demolition Management Plan Shall be accompanied with each and every vehicle under this approval. The developer shall issue the proper Challan for each and every trip of vehicles and that shall be acknowledged by the agency of unloading site. The developer shall maintain record of C&D material transported and shall make it available to MCGM and / or

Monitoring Committee whenever required for inspection.

9. The approval is granted presuming that the papers submitted by the applicants / Owners are genuine. For any dispute arising out of documents submitted by applicant, POA / Occupant / Owner shall be held responsible as prescribed under the law prevailing in force.
10. The approval granted hereto does not absolve the other approval required from the other department of M.C.G.M. OR Govt. authorities.
11. In case of disputes, court matters etc. related to the subject site / land / property, this approval cannot be treated as a valid proof.
12. In case of any breach of condition is brought to the notice of MCGM or Monitoring Committee, Show Cause Notice will be issued and decision will be taken within one month as expeditiously as possible, which shall be binding on you / land owner.
13. This approval is not a permission for excavation or permission for dumping but this is the only approval under Construction & Demolition Waste Management Plan for the transportation of Construction & Demolition Waste for unloading at designated unloading site.
14. You / Land owner shall submit valid Bank Guarantee from the bankers approved by the MCGM and the amount applicable as per attached table. The bank guarantee remains valid till grant of Occupation Certificate (OCC).
15. The license architect / license engineer shall upload compliance report in respect of Construction & Demolition Waste Management Plan, any breach will entitle the cancellation of building permission and work will be liable to stop immediately.
16. (A) Project Total Estimated Qty (Brass) :51200
(B) Obtained NOC(s) Total Qty (Brass): 23428

Note:

1. The above remarks are system generated based on the input data submitted by Architect / Consultant / L.S and if in future it is found that the data is incorrect / fraudulent then the remarks deemed to be treated as cancelled and necessary action will be initiated.
2. The above remarks are system generated and does not require any signatures.
3. This C & D approval is issued subject to obtaining valid IOD / CC. Actual transportation shall begin after obtaining valid IOD / CC only.





भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

SNCR/WEST/B/060122/675207

मालिक का नाम एवं पता K J Somaiya Trust and The Somaiya Trust **दिनांक/DATE:** 06-09-2022
OWNERS Name & Address Somaiya Bhuvan, 45 – 47, M.G. Road, Fort, Mumbai **वैधता/ Valid Up to:** 05-09-2030

ऊँचाई की अनुमति हेतु अनापत्ति प्रमाण पत्र (एनओसी) No Objection Certificate for Height Clearance

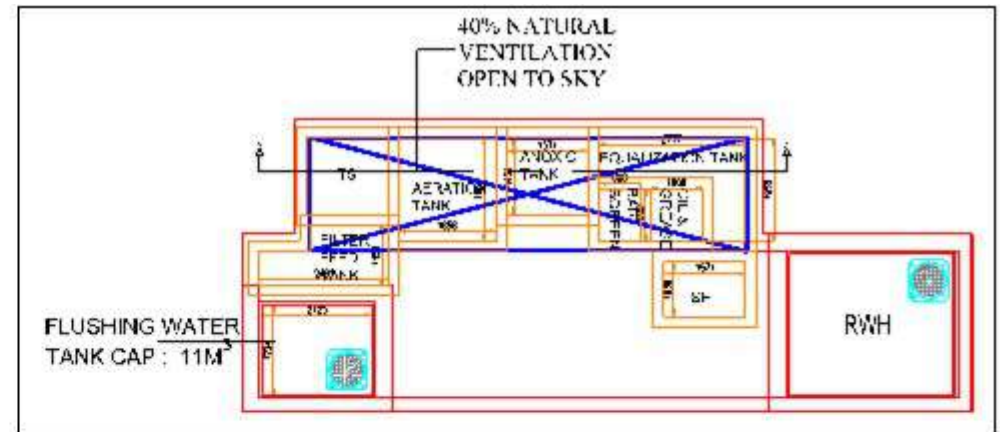
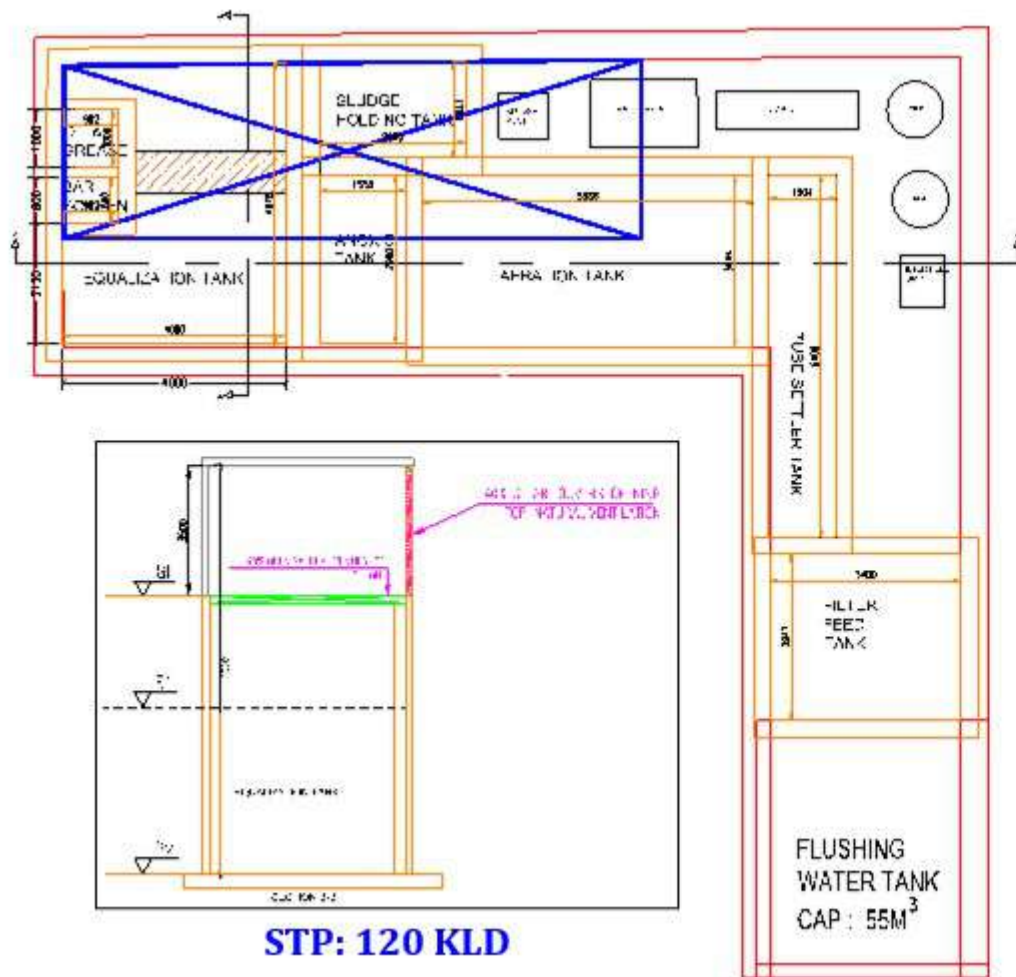
- 1) यह अनापत्ति प्रमाण पत्र भारतीय विमानपत्तन प्राधिकरण (भाविप्रा) द्वारा प्रदत्त दायित्वों के अनुक्रम तथा सुरक्षित एवं नियमित विमान प्रचालन हेतु भारत सरकार (नागर विमानन मंत्रालय) की अधिसूचना जी. एस. आर. 751 (ई) दिनांक 30 सितम्बर, 2015, जी. एस. आर. 770 (ई) दिनांक 17 दिसंबर 2020 द्वारा संशोधित, के प्रावधानों के अंतर्गत दिया जाता है।
 1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep.2015 amended by GSR770(E) dated 17th Dec 2020 for safe and Regular Aircraft Operations.
- 2). इस कार्यालय को निम्नलिखित विवरण के अनुसार प्रस्तावित संरचना के निर्माण पर कोई आपत्ति नहीं है।
 2. This office has no objection to the construction of the proposed structure as per the following details:

अनापत्ति प्रमाणपत्र आईडी / NOC ID	SNCR/WEST/B/060122/675207
आवेदक का नाम / Applicant Name*	Aerodynamiks
स्थल का पता / Site Address*	C.S. No. 2/2, Of Salt Pan Division At Sion Mumbai in F/North Ward Somaiya Ground, Samarth Nagar, Chunabhatti, Sion, Mumbai 400022.Sion,Mumbai suburban,Maharashtra
स्थल के निर्देशांक / Site Coordinates*	19 03 5.04N 72 52 10.32E, 19 03 5.40N 72 52 12.03E, 19 02 59.74N 72 52 13.77E, 19 02 58.98N 72 52 14.03E, 19 03 5.01N 72 52 14.51E, 19 02 58.34N 72 52 14.82E, 19 03 4.49N 72 52 15.75E, 19 03 3.46N 72 52 16.21E, 19 02 59.97N 72 52 19.14E, 19 03 0.64N 72 52 19.15E, 19 03 0.75N 72 52 19.45E, 19 03 2.07N 72 52 19.87E, 19 03 5.40N 72 52 9.23E, 19 03 3.02N 72 52 9.37E, 19 03 5.46N 72 52 9.49E
स्थल की ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर), (जैसा आवेदक द्वारा उपलब्ध कराया गया) / Site Elevation in mtrs AMSL as submitted by Applicant*	4.64 M
अनुमन्य अधिकतम ऊँचाई एएमएसएल मीटर में (औसतन समुद्र तल से ऊपर) / Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	57.13 M (Restricted)

क्षेत्रीय मुख्यालय पश्चिमी क्षेत्र पोर्टा कैबिंस, नई एयरपोर्ट कॉम्प्लेक्स, हनुमान रोड, विले पार्ले ईस्ट, मुंबई- 400099 दूरभाष संख्या 91-22-25300606

Regional headquarter Western Region,Porta Cabins, New Airport Complex, Opposite to Hanuman Road, Vile Parle East, Mumbai-400099 Tel. no. 91-22-25300606





K Raheja Corp Real Estate Private Limited
(Formerly known as Feat Properties Private Limited)



Date: 19.01.2023

To,
Office of the superintendent of Gardens,
Municipal Corporation of Greater Mumbai (MCGM),
Veermata Jijabai Bhosle Udyan,
Mumbai 400027.

Sub: Supply of excess treated water to adjoining MCGM's RG reservation at C. S. No. (S) 2/2 (pt) of Salt pan division situated in F/N ward, Sion (E) by M/s. K Raheja Corp Real Estate Private Limited.

Ref No.: EB/3266/GS/A/337/2/Amend.

Dear Sir,

We are proposing development of Residential project on plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai. We have also submitted our application for the Environmental clearance (EC) to the State Environmental Impact Assessment Authority (SEIAA), Maharashtra proposal no. SIA/MH/INFRA2/412288/2022.

We would like to inform you that, we are providing 2 STP's of 150 KLD capacity in our project to treat wastewater (131 KLD). The treated water (standards as per Hon'ble National Green Tribunal (NGT) order dt. 30th April 2019) from the STP will be utilized for flushing (48 KLD) & Gardening (09 KLD) purposes within the layout. As we have the excess treated water (73 KLD) surplus out of which we thought to supply 40 KLD treated water to nearby RG reservation just abutting to our plot.

This will not only save your fresh water requirement for these purpose but also saves precious water resource.

We therefore request you to kindly convey your willingness to accept this treated water. We will make all arrangement for conveyance of this water to nearby RG reservation just abutting to our plot.

Your early reply in this regard is highly appreciated.

Thanking you,

Yours faithfully,
For K RAHEJA CORP REAL ESTATE PRIVATE LIMITED.

N. R. Mehta

Nikhil Mehta



CIN : U40300MH2007PTC287012

Ref:
2023/07/18/HG01/VP

Date:
July 19, 2023

HYDROGEOLOGY REPORT

For Project

Residential Development

At

Plot Bearing C. S. No. (S) 2/2 of Salt Pan Division,
Situating in F/N ward, Sion (E), Mumbai



Proposed By

M/s K Raheja Corp Real Estate Pvt. Ltd.

Reg. addr.: Raheja Tower, Level 6, Block 'G', C-30, BKC, Mumbai - 400051

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List of Abbreviations

BGL:	Below Ground Level
BM:	Bench Mark
BUA:	Build Up Area
FSI:	Floor Space Index
HP:	Horizontal Profiling
IS:	Indian Standard
MSL:	Mean Sea Level
NW:	North West
RWH:	Rain Water harvesting
SE:	South East
SW:	South West
VES:	Vertical Electrical Sounding

1. Geology

1.1 Geography

The area of project is part of Deccan Plateau. The project area is situated at Plot Bearing C. S. No. (S) 2/2 of Salt Pan Division, Situated in F/N ward, Sion (E), Mumbai in the survey of India Toposheet no. **E43A16** (Fig. 1.1) at the altitude of 7 m. (MSL).

Location of the site is at Latitude **19°3'3.44" N**, & Longitude: **72°52'11.82" E**. The area is easily approachable by tar road. The area lies on the eastern slopes of Sahyadri ranges.

The Satellite image of the said project is shown in **Figure 1.2** respectively.

Table 1. 1: Area Statement

Sr	Details	Proposed	Units
1.	Total Plot Area	6,150.57	m ²
2.	Deduction	307.53	m ²
3.	Net Plot area	5,843.04	m ²
4.	FSI area	21,219.99	m ²
5.	Non-FSI area	27,289.96	m ²
6.	Total BUA	48,509.95	m ²

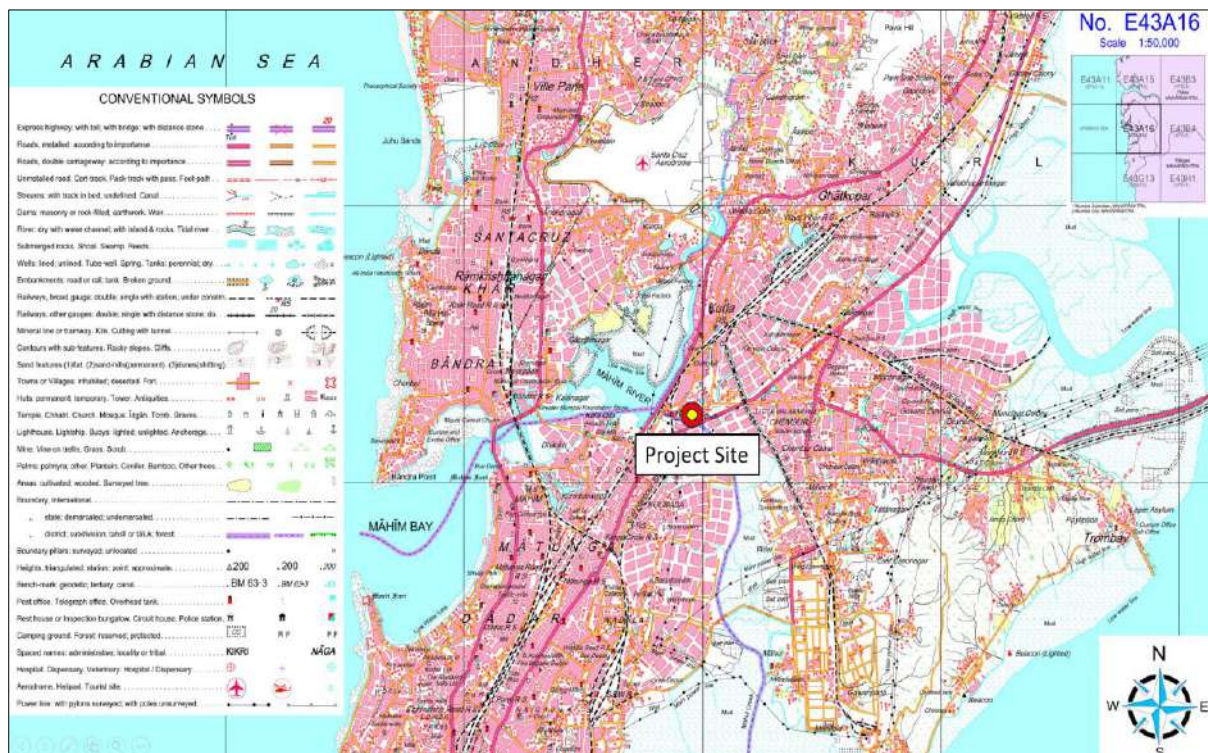


Figure 1. 1: Toposheet

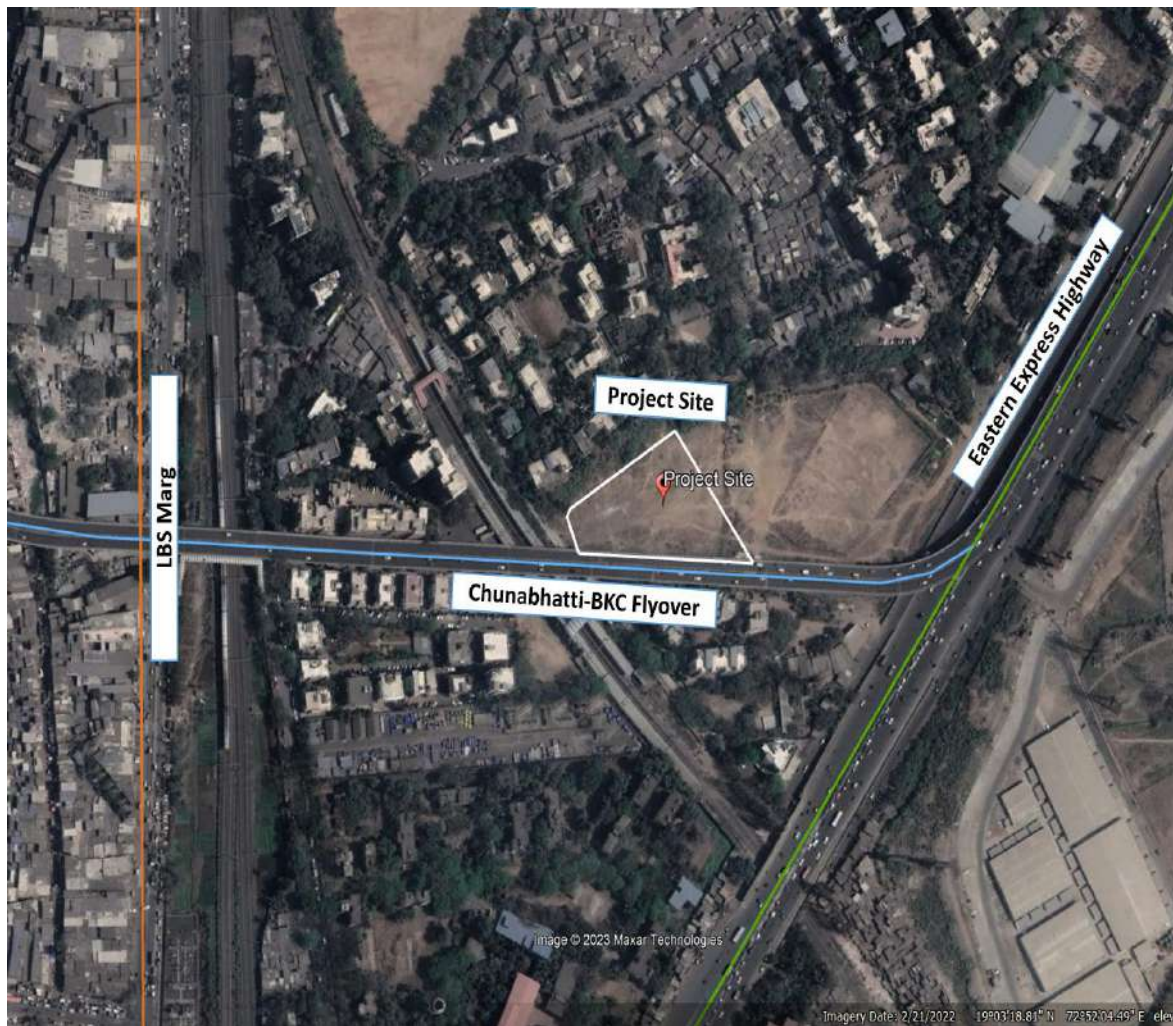


Figure 1. 2: Satellite Image

1.2 Rainfall

As the area lies in heavy rain fall (West of Sahyadri) area receives good quantity of rain fall, (i.e., around 1,800 to 2,400 mm. approx. in 80 days per year) with nearly 82 % of the rainfall occurring during June – September and 10% occurring during October. The normal annual rain fall of Mumbai varies from about 1800 to 2400 mm. It is minimum at central part of Mumbai around Central Mumbai region. It gradually increases towards North and reaches a maximum around Santacruz (2,382 mm.).

1.3 Geomorphology: Morphological Location

The project site lies in BM watershed and in Micro-shed of safe zone classified in morpho zone. Site comes under Moderate-to-moderate Priority Zone of Sion, Mumbai. Site comes under Arial photograph.

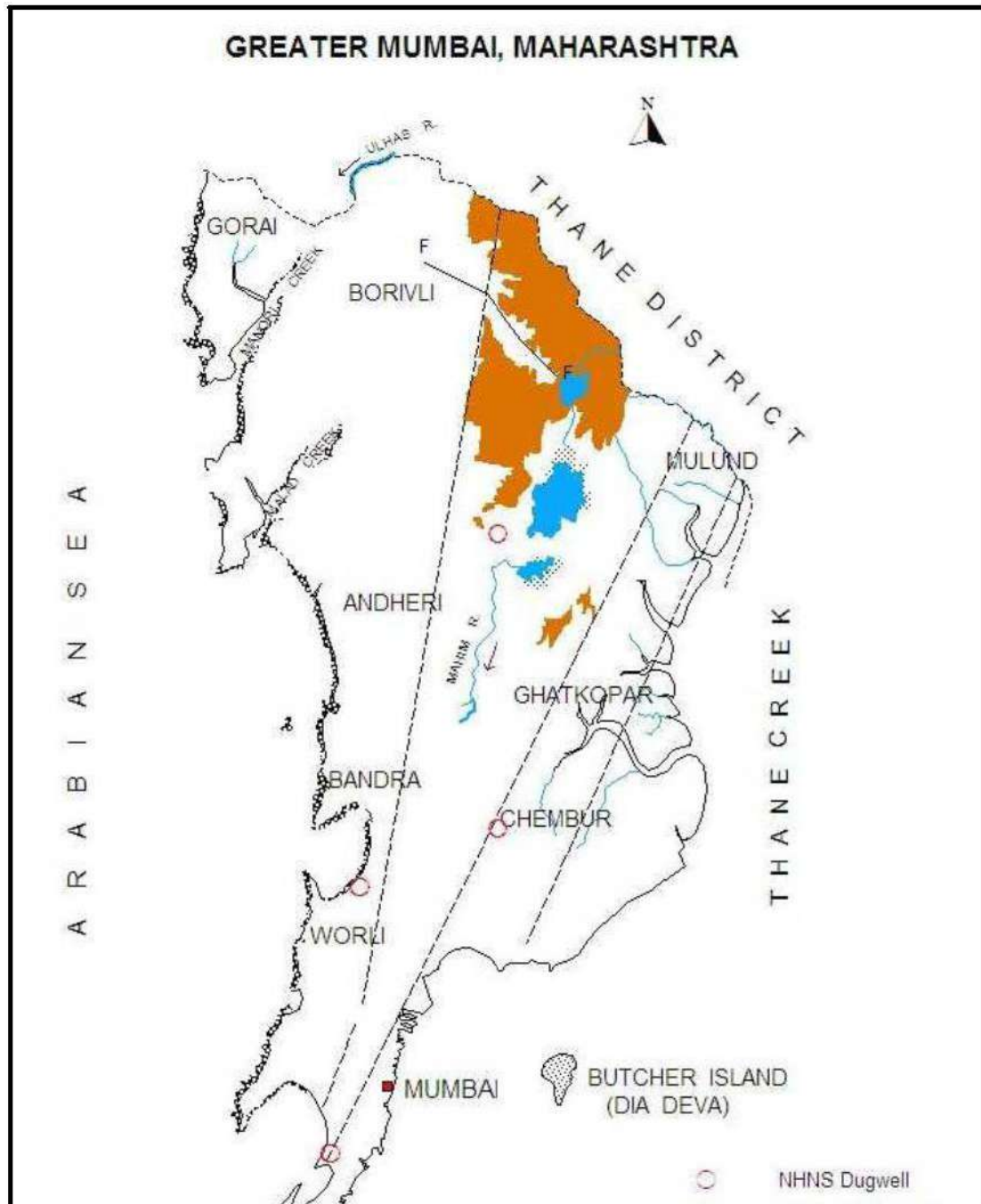


Figure 1. 3: Geomorphology Map

The property gentle slopes in general towards South West (SW). Topography of plot is fairly level in nature. Topography shows that the Northeast part of the land is at higher altitude and South Western part is at lower altitude.

In general, a variation of altitude of about 0.50 to 0.75 meters is observed. From the water shed, it shows typical dendritic drainage pattern.

1.4 Petrology

The area forms the heart of a vast suite of basalts. In general soil cover is good in all parts of land. Below soil well weathered and fractured basalt is present. Basalts are formed from the solidification molten lavas, rich in minerals of Augite and Plagioclase.

1.4.1 Lava Flow Types

Mafic lava flows have been classically divided into two categories: pahoehoe and aa (e.g., Dutton, 1884; Macdonald, 1953). Pahoehoe is characterized by having a smooth surface, and aa has a spinose auto breccia surface. In more recent years, some transitional types of basaltic lava have been noted, including slab pahoehoe and spiny pahoehoe (also called "toothpaste" or "sharkskin" pahoehoe). Spiny pahoehoe has the same centimetre scale morphology as classical pahoehoe but has a spinose surface (e.g., Rowland and Walker, 1987). Slab pahoehoe has the same meter-scale morphology as an aa flow, but the auto breccia is dominated by slabs of broken pahoehoe surfaces (e.g., Macdonald, 1972). There are also many sub varieties of classic pahoehoe in Hawaii, such as S- and P type pahoehoe (Walker, 1989), dense blue glassy pahoehoe (Hon et al., 1994), and shelly pahoehoe (Swanson, 1973). Most recently, another type of intermediate lava flow has been recognized. This flow type, dubbed "rubbly pahoehoe," is characterized by a flow top auto breccia comprised primarily of broken pahoehoe lobes (Keszthelyi, 2000; Keszthelyi and Thordarson, 2000). The area under investigation forms the part of the volcanic sequence of basaltic rocks belonging to the Deccan Volcanic activity, which is one of the largest known geological formations in India, covering over 80 percent area of the state of Maharashtra. As described earlier the local Basalt is converting in to Laterite in upper layers. The significant contributions to the field studies of the Deccan Volcanic Province during last few decades have recognized different flow types of basalts on the basis of associated volcanic features.

In general, the basaltic lava flows have been grouped in to two as follows;

- Compound (Pahoehoe) type
- Simple (Aa) type flows

The lava flows in the proposed site area are of compound types that occur in entire Pune area. The most characteristic feature of the compound flows is that they consist of flow units, which have smooth upper surface, often with ropy structures developed on them, and a basal zone exhibiting inverted 'Y' shaped pipe vesicles. The western and northern portion consists of a relatively denser rock. The upper portion of such flow units is vesicular / amygdaloidal (filled with white or green silica material) and the cavities are generally ovoidal. The compound flows consist of such several flow units. Ropy surfaces and ovoidal vesicles (often filled) together with pipe amygdales are characteristic features to recognize the individual units of a compound flow. A thin glassy (fine-grained) crust, which is usually reddened at the top, also delineates the different flow units. Congealed glassy lava toes with hummocky (undulating) tops are often noticed in fresh exposures in northern part. The maximum and minimum thickness observed for compound flows is 160 m and 40 m respectively. Thinner flow units are throughout vesicular. These features are especially very common in the region around Mumbai, Pune, Lonavala, Nasik, Aurangabad and Ahmednagar and have been documented. The simple (Aa) flows on the contrary are characterized by rough fragmental clinker tops and dense, hard and massive rock below. The clinker fragments are irregular, spiny and varying in size from a few cm reaching to the order of about a meter. The basalt Flows, in general are thick, tabular in form, having large areal extent. Thickness of flows generally ranges between 5 and 80 m.

Another aspect of the flows is that seldom they are separated by tuffaceous material referred to as bole. The boles are of red-, green and brown- types depending on their colour. These represent fine-grained material and are not uniformly developed on flows. The flows are also separated by volcanic breccias. Volcanic breccias consist of angular to sub angular fragments of basalt in a tuffaceous material. Both these features have some adverse effect on the quarrying of rock depending upon their thickness

2. Hydro-Geology

2.1 Vegetation

The natural vegetation is average in the study area. There is a one tree currently on the premises. Developer will plant 276 no. of trees as per the requirement / convenience.

2.2 Soil

The area forms the heart of a vast suite of basalts with 1.25 to 1.50 m. of soil cover in N, NW, W, & SW parts of land and it is about 1.50 to 2.00 m. of soil cover in SW, SE and S and Southern parts of land. In general soil cover is very good in entire parts of land. The soil is mainly grayish in colour.

2.3 Hydrology / Well-hydrology

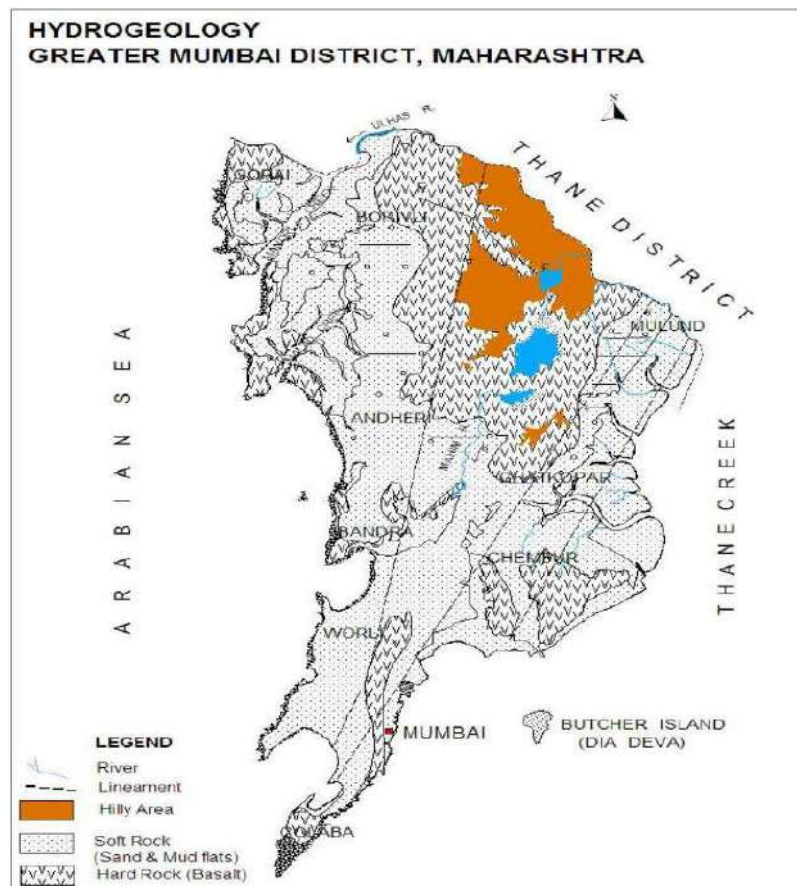


Figure 2. 1: Hydrogeological Map

In the study area bore wells / dug wells are not present. In the surrounded areas, bore wells are present. Depths of bore wells are limited between 30 to 60 m. and yield varies from 1" to 1 ¼". Water from the bore wells is mainly used for plantation, construction and domestic purpose.

3. Ground Water Survey

3.1 Information

The Groundwater survey was conducted using **Electrical resistivity method** in the given premises. In all 2 no. of soundings were taken. We have identified new spots with the help of Resistivity data and Hydro – Geological conditions to explore the ground water by drilling bore wells.

Deccan basalts of west-central India are hydro-geologically inhomogeneous rocks. A proper understanding of the physical framework of the basalts within which groundwater resides and moves is a key to the hydrogeology of these rocks. Two types of basalt, the vesicular amygdaloidal basalt and the compact basalt, occur as alternate layers in the volcanic pile. Although the rocks are generally inhomogeneous, structures in the basalt, such as sheet joints and vertical joints, serve as zones of groundwater flow.

In the shallow subsurface, two groundwater systems are operative. Groundwater system A consists of a vesicular amygdaloidal basalt underlain by a compact basalt, whereas groundwater system B consists of a vesicular amygdaloidal basalt overlain by a compact basalt. Groundwater system A has a better developed network of openings and, as a consequence, this system has a higher transmissivity and storage coefficient than Groundwater system B. Wells tapping groundwater system A have higher yields on average and irrigate more hectares of cropland than do wells tapping groundwater system B.

This simple systems concept offers a practical methodology for understanding the geometry of the physical framework that contains groundwater in the Deccan basalts. The efficacy of the concept is in its widespread utility for the region. The concept may also be extrapolated to help understand the hydrogeology of deeper Deccan basalt groundwater systems.

3.2 Methodology

3.2.1 Electrical Resistivity Method (IS: 1892-1979)

By applying this method, the resistance to the flow of an electric current through the subsurface materials is measured at intervals on the ground surface. The resistivity is usually defined as the resistance between opposite phases of a unit cube of the material. Each material has its own resistivity depending upon the water content, compaction and composition.

The test is conducted by driving four metal spikes to serve as electrodes in to the ground along a straight line at equal distances. A direct voltage is imposed between the two outer potentiometer electrodes and the potential drop is measured between the inner electrodes.

To interpret the resistivity data for knowing the nature and distribution of the subsurface formations, it is necessary to make preliminary trial on known formations. The **Potential 'V'** thus obtained divided by the **Current 'I'** applied gives the **Resistance 'R'** of the ground. The product of the resistance and the spacing factor, which is depending upon the disposition of the electrodes, is the resistivity of the ground.

This method is routinely used for:

- Determining the sub-surface strata classification
- Determination of hard rock foundation
- Estimation of overburden thickness and hard rock quantities
- Determination of the suitability of the area for quarrying and excavation

A great variety of electrode arrangements have been used to measure the earth resistivity but essentially, they may be grouped into three classes.

1. Arrangements in which the potential differences between two widely spaced measuring electrodes are recorded.
2. Arrangements in which a potential gradient or electric field intensity is measured using closely spaced pair of measuring electrodes.
3. Arrangements in which the curvature of the potential function is measured using a closely spaced current electrode pair as well as a closely spaced measuring electrode pair.

Any one of these arrays may be used to study variations in resistivity with depth or in lateral condition. In studying the variation of resistivity with depth, as in the case of a layered medium the spacing between the various electrodes is gradually increased. With larger spacing, the effect of material at depth on the measurements becomes more pronounced.

In studying the lateral as well as vertical variations, various electrode configurations are adopted and the array is moved as a whole along a traverse line. The first type of measurement is called as **'Vertical Electrical Sounding' (VES)** and the second one is

‘Horizontal Profiling’ (HP). In the present work **VES** were conducted at 2 different locations and the depth was limited to 60 m.

3.2.2 Wenner’s Configuration

It is a Geophysical prospecting operation method in which measurement of Earth Resistivity is made from Ground Surface. The relative value of Electrical Resistivity can be interpreted, under certain condition, in terms of the general geology of the subsurface to limits depths.

The method has been used in ground water exploration since the early 1930s.

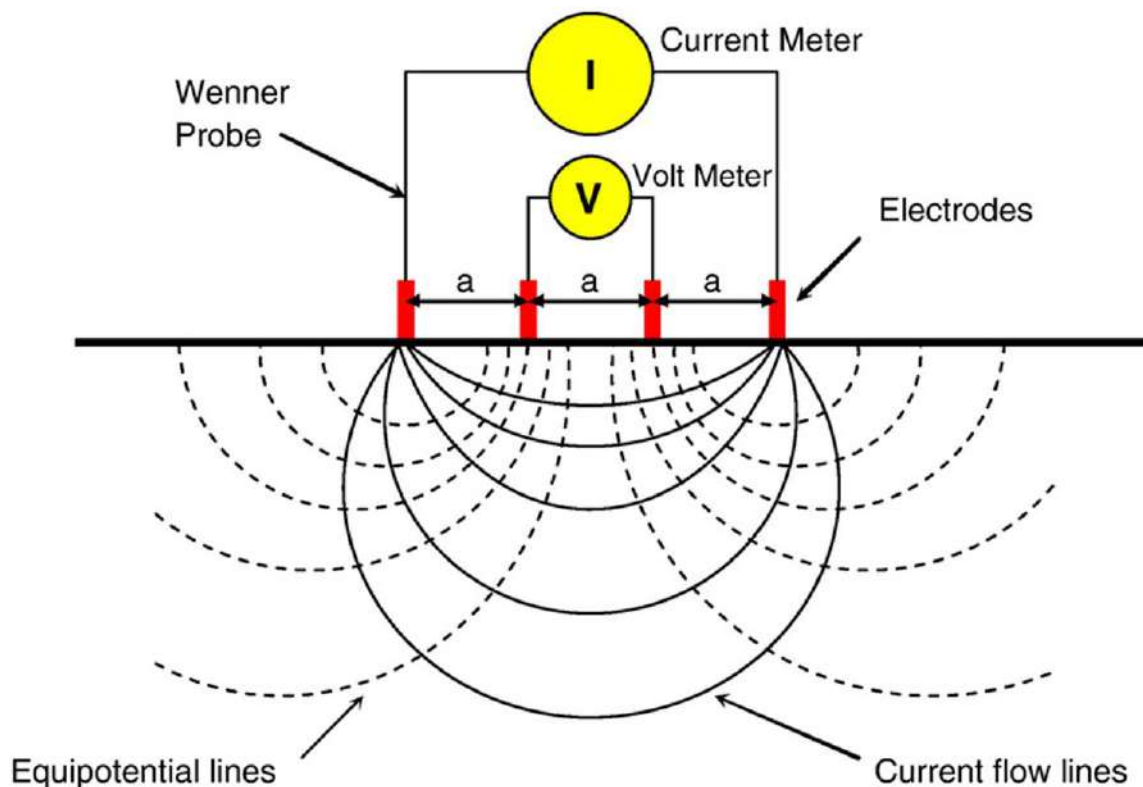


Figure 3. 1: Schematic representation of electrical resistivity measurement with Wenner’s probe

Various types of earth materials generally exhibit certain ranges of the resistivity values. Using four electrodes set in the ground, the apparent earth resistivity is determined by measuring the voltage drop between two interior electrodes when current is passed through the earth between outer electrodes.

The most common arrangement is the Wenner's Configuration with the electrodes equally spaced along straight line.

Electrical resistivity surveying finds its best application in preliminary exploration of large areas, where a substantial ground water development is desired.

In the present work VES were conducted at 2 different locations.

3.2.3 VES Data Output

Table 3. 1: Resistivity w.r.t Depth

Depth (m)	VES 1	VES 2
4	21.618	28.549
5	23.374	38.256
6	26.129	43.264
7	30.317	51.841
9	41.462	62.322
10	71.927	69.521
12	77.233	78.176
15	82.078	88.344
20	86.078	84.527
25	79.6221	96.52
30	81.654	98.248
35	92.215	105.365
40	103.559	102.254
45	98.818	105.621

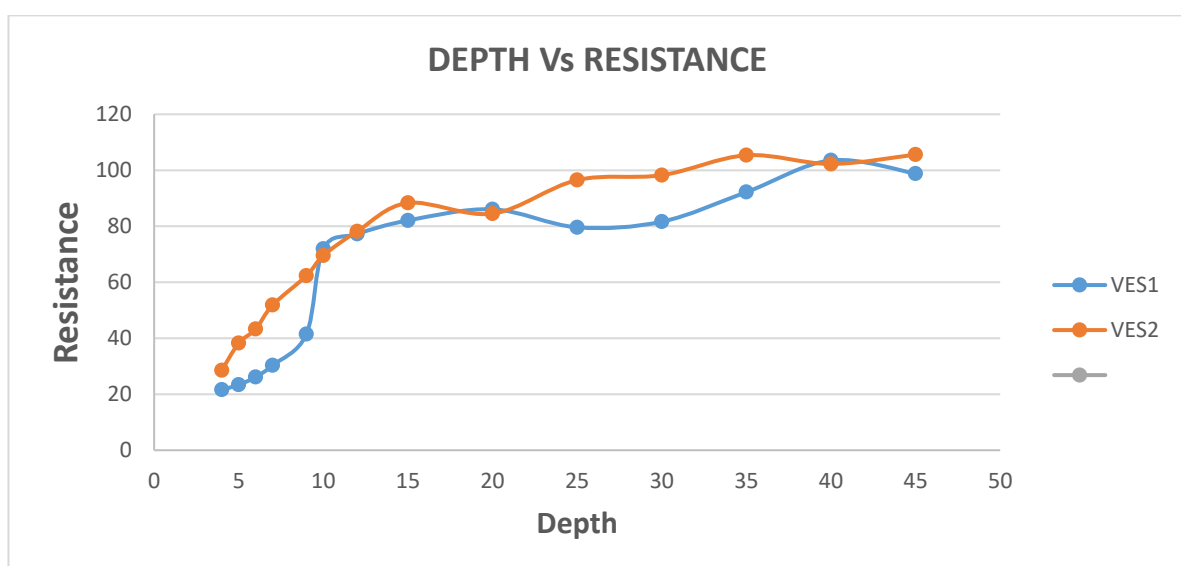


Figure 3. 2: Depth v/s Apparent Resistivity

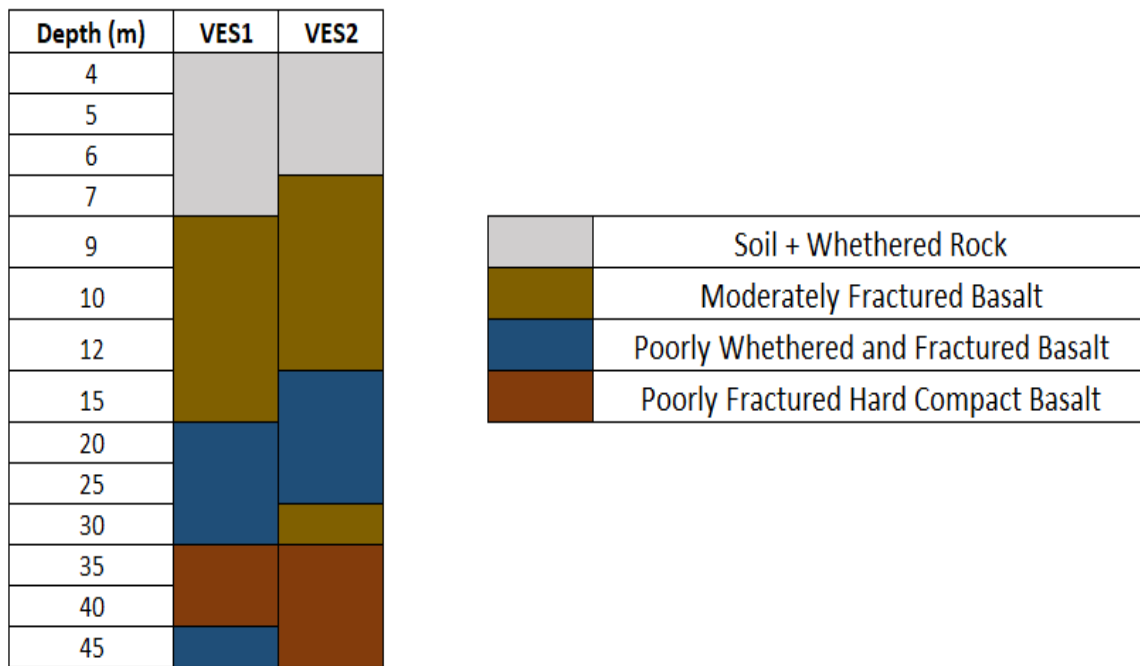


Figure 3. 3: Representation of Sub Surface Strata

3.2.4 Data Proccession

In the area to understand the shallow subsurface geological and aquifer conditions extending up to 45-meter depth, vertical electrical soundings were conducted. The proposed area was investigated based on VES data as attached. Using **IPI2 WINDOW** based software the data obtained from field was processed. This software helps in interactive semi-automated interpretation of the field data. All the sounding data were modelled for the existing sections. The VES data on apparent resistivity values was modelled by using **IPI2 WINDOW** based software to get different layers depicting their thickness, depth and true resistivity.

In nutshell, the above interpretation gives generalized geological situation with depth-wise variations. As discussed above the sounding points with typical curves at selected sites give point information, which was further utilized to build comprehensive picture of subsurface geological situation depth-wise by preparing **2-D geo-electrical sections**

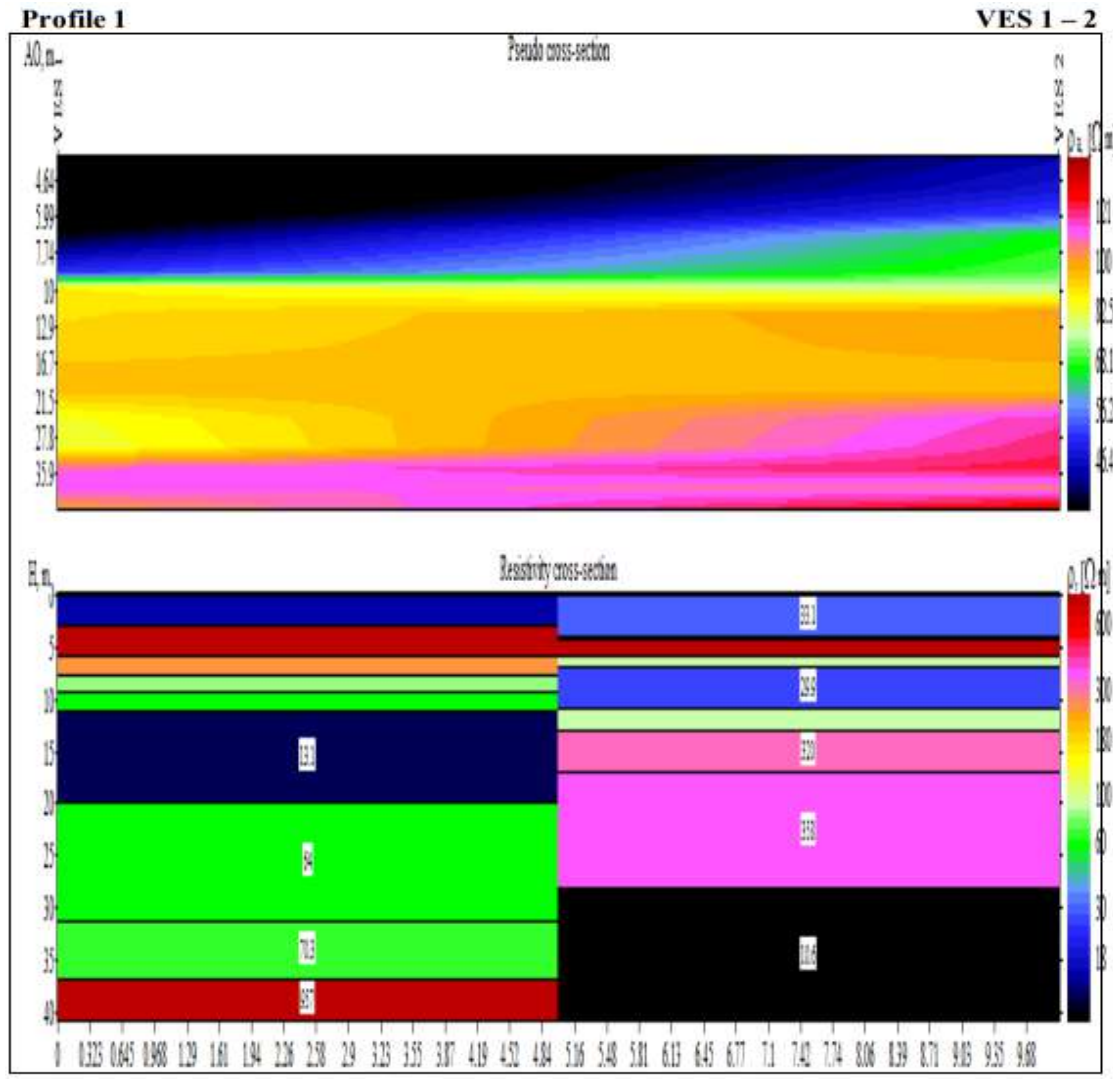


Figure 3. 4: Resistivity Cross-Section

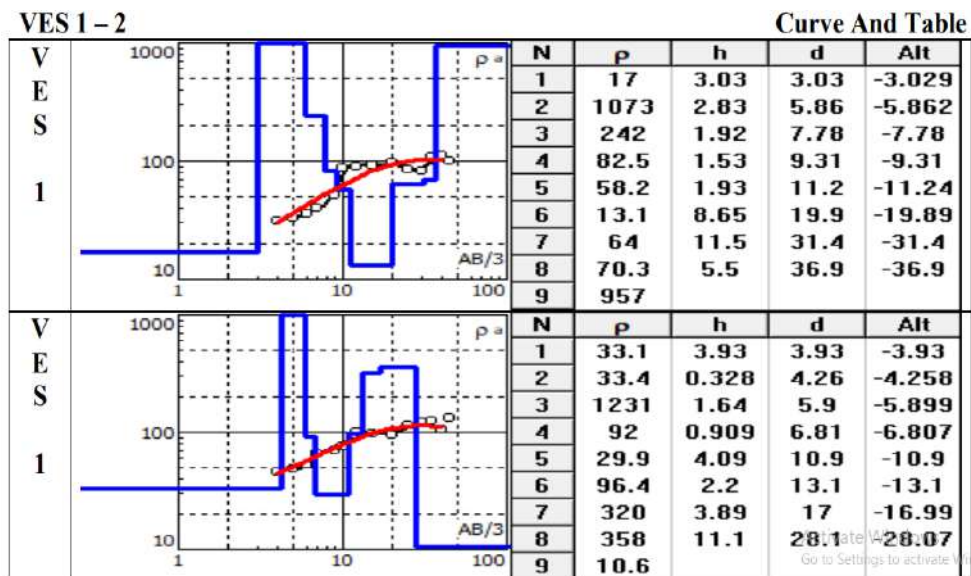


Figure 3. 5: VES Curve with Table

3.2.5 Geophysical Observations

Groundwater Investigations have been carried out by using geological and hydro-geological observations as already mentioned. Geophysical investigations have been carried out using electrical resistivity method at 2 no. of spots with Wenner's configuration. The recommendations are as follows:

Table 3. 2: Lithology of the land as per resistivity survey

Sr.	Soil + Weathered Rock	Moderately Fractured Basalt	Poorly Weathered and Fractured Basalt	Poorly Fractured Hard Compact Basalt
VES 1	G.L. to 8 m.	8 to 10 m.	12 to 15 m & 25 to 35 m	10 to 12 m. 15 to 25 m.& 35 to 45
VES 2	G.L. to 7 m.	7 to 9 m.	10 to 15 m & 30 to 40 m	15 to 30 m. & 40 to 45 m.

Aquifer Status:

- Average depth of Un-confined aquifer is at 3.00 m. to 4.00 m. (3.50 M. Average).
- Average depths of Confined aquifers are at 12.00 m. to 21.00 m. & 32.50 m. to 38.50 m.
- Aquifer layers shows an uneven thickness.

Ground Water Table:

- **Summer Season** – 6.00 m. to 7.00 m. BGL.
- **Rainy Season** – 3.00 m. to 4.00 BGL.
- **Winter Season** – 4.50 m. to 5.50 m. BGL.

4.Recharging

Recharging may be carried out by both roof top rainwater harvesting as well as artificial surface recharging. Recharging would not only help in sustaining the well by recharging but also in improving the quality of the water by reducing alkalinity (salinity) and hardness

4.1 Rainwater Harvesting

Rainwater harvesting should be carried out in the property to enhance the availability of groundwater. In this case two rain water collection tank is suggested.

Rain water should be filtered with the help of RWH filter and allowed to collected into the collection tank for further domestic use.

Before monsoon all the terraces should be cleaned and fine cone shaped pipe screen mesh should be fixed on down take rain water pipes on terraces.

Considerations:

1. Total plot area: 6,150.57 m²
2. Net area under Consideration: 5,843.04 m²
3. Total roof top area: 1,830.00 m²
4. Total area under internal road, paved, services and rest area: 2,145.53 m²
5. Open space, plotting area, Landscape / Garden area: 1,867.51 m²
6. Considered Annual rain fall: 2,500.00 mm
7. Considered days rainfall in one year: 80 days
8. Considered factor for roof top area: 0.9
9. Considered factor for road, paved area & services area: 0.7
10. Considered factor for open Space and landscape & garden area: 0.25
11. Total harvesting capacity: 200 m³
12. Total suggested harvesting is > 100 % of total surface run off after development, it is > 100 % of incremental rise in surface run off after development and it is > 100 % of total available roof top rain water after development.

Table 4. 1: Run off calculations

Run off for Roof top Area	Run off for Paved, Internal Roads, Services Area, Rest	Run off for Open Space, Landscape & Garden Area	Total Run off for Entire Area
4,117.50 m ³ /year	3,754.68 m ³ /year	1,167.19 m ³ /year	9,039.37 m ³ /year
51.47 m ³ /day	46.93 m ³ /day	14.59 m ³ /day	112.99 m ³ /day
Total surface run off after development			9,039.37 m ³ /year
Total surface run off before development			5,843.04 m ³ /year
Incremental rise in surface run off			3,196.33 m ³ /year
Incremental rise in surface run off			39.95 m ³ /day

4.2 RWH Scheme Details (Proposed)

- a. Number of RWH Collection Tank – 2 No.
- b. Volume of rainwater that can be harvested in 2 tanks = 200 cum/day
- c. Rainwater available from site = 112.99 cum/day.
- d. Rain water harvesting capacity = 200 cum/day.
- e. Suggested harvesting more than available roof top rain water = 148.53 m³ per day.
- f. Suggested harvesting more than incremental rise in surface run off = 160.05 m³ per day.
- g. Percentage Harvesting capacity = > 100 % of total available rain water, it is > 100 % of incremental rise in surface run off after development & > 100 % of available roof top rain water after development.

5. Conclusion

1. As the unconfined aquifer is at the depth of 3.00 m. to 4.00 m. (3.50 M. Average), we have recommended rain water harvesting tank for collection of rooftop rain water only.
2. Confined aquifers are at the depth of 12.00 m. to 21.00 m. & 32.50 m. to 38.50 m. of depth (Average).
3. As the increase in the runoff is 3,196 m³ per year i.e., 39.95 m³ per day, available roof top rain water after development is 9,039.37 m³ per year i.e., 112.99 m³ per day & as per requirement of form 1 B, we have recommended a water recharge with the help of 2 RWH collection tank.
4. Total harvesting provided is > 100 % of the total surface run off after development, it is > 100 % of incremental rise in surface run off after development and it is > 100 % of total available roof top rain water with respect to average rain falls conditions.
5. Provided harvesting of 200 m³/day is equal to 177% of total surface runoff after development, it is equal to 273% of total surface run off before development, it is equal to 43% of incremental rise in surface runoff & it is equal to 388 % of roof top rain water.
6. Provided harvesting of 200 m³/day will cover 100 % roof top rain water i.e., 112.99 m³/day and 177 % surface run off i.e., 9,039 m³/year. Roof Top available rain water is 51.47 m³/day & it will be collected in to RWH collection tank. Rest surface run off will be connected to external storm water/ natural nala

RUNOFF CALCULATIONS

NAME - K Raheja Corp Real Estate Pvt. Ltd.

SITE - Residential Development Project

SITE ADDRESS - Plot Bearing C. S. No. (S) 2/2 of Salt Pan Division, Situated in F/N ward, Sion

DATE: 2023-07-18

DESCRIPTION			SURFACE RUNOFF PER YEAR (m ³)	SURFACE RUNOFF PER DAY (m ³)
Total Plot Area	6150.57	sq. m		
Total Deductions	307.53	sq. m		
Net Area Under Consideration	5843.04	sq. m		
Annual Average Rain Fall	2.5	m.		
Peak Rain Fall	0.13	m.		
Roof Top (Concrete)	0.90			
Internal Road & Paved Area	0.7			
Open Space, Landscape, Garden	0.25			
Roof Top Area	1830	sq. m	4117.50	51.47
Area Under Road, Paved, Rest etc	2145.53	sq. m	3754.68	46.93
Open Space, Landscape, Garden Area	1867.51	sq. m	1167.19	14.59
Total	5843.04		9039.37	112.99
Total Surface Runoff After Development		Cu. m	9039.37	112.99
Total Surface Runoff Before Development		Cu. m	5843.04	73.04
Increase in Surface Runoff After Development		Cu. m	3196.33	39.95

Rain Water Harvesting Details	RWH Tank	
No. of RWH Tanks/Pits with Bores	2.00	
Total RWH capacity of Tanks(Cum/Day)	200.00	
Individual capacity of RWH tank (Cum/Day)	100.00	
Total Capacity of RWH Tanks (Cum/Day & Cum/Year)	200.00	16000.00

Percentage of harvesting compaired to total runoff rain water after development (w.r.t averaqaie rain fall)	177.00
Percentage of harvesting compaired to total runoff rain water before development (w.r.t averaqaie rain fall)	273.83
Percentage of harvesting compaired to incremental raise water (w.r.t average rain fall)	500.57
Percentage of harvesting compaired to total runoff rain water (w.r.t peak rain fall)	42.55
Percentage of harvesting compaired to roof top rain water (w.r.t average rain fall)	388.59
Percentage of harvesting compaired to roof top rain water (w.r.t peak rain fall)	93.41

1. Total plot area =		6,150.57	Sq. M.
2. Total deduction for roof widening & amenity =		307.53	Sq. M.
3. Net area under considerations (1-2) =		5,843.04	Sq. M.
4. Total roof top area =		1,830.00	Sq. M.
5. Area under internal roads, paved & services area =		2,145.53	Sq. M.
6. Open space, area under plotting, landscaping &		1,867.51	Sq. M.
7. Total runoff after development	112.99	m ³ /day i.e	9,039.37 m ³ /year
8. Total runoff before development	73.04	m ³ /day i.e	5,843.04 m ³ /year
9. Increase in surface run off =	3,196	m ² /year i.e	39.95 m ³ /day
10. Total harvesting suggested	200.00	m ³ /day with the help of 2 tanks	
11. Total harvesting provided more than available roof top rain water		148.53	m ³ /day
12. Total harvesting provided more than incremental rise in surface runoff		160.05	m ³ /day
Two number of rain water harvesting tank having sufficient capacity to harvest roof top runoff water.			
Total harvesting provided is greater than 100% of total surface runoff after development, greter than 100% of incremental rise in surface runoff after development & it is greater than 100% of the total roof top rain water w.r.t ave. rain fall.			
Provided harvesting of 200 m ³ /day is equal to 177% of total surface runoff after development, It is equal to 273% of total surface run off before development, it is equal to 43% of incremental rise in surface runoff & it is equal to 388 % of roof top rain water.			
Provided harvesting of 200 m ³ /day will cover 100 % roof top rain water i.e. 112.99 m ³ /day.and 177 % surface run off i.e. 9039 m ³ /year. Roof Top available rain water is 51.47 m ³ /day & It will be collected in to RWH collection tank. Rest surface run off will be connected to external storm water/ natural nala.			

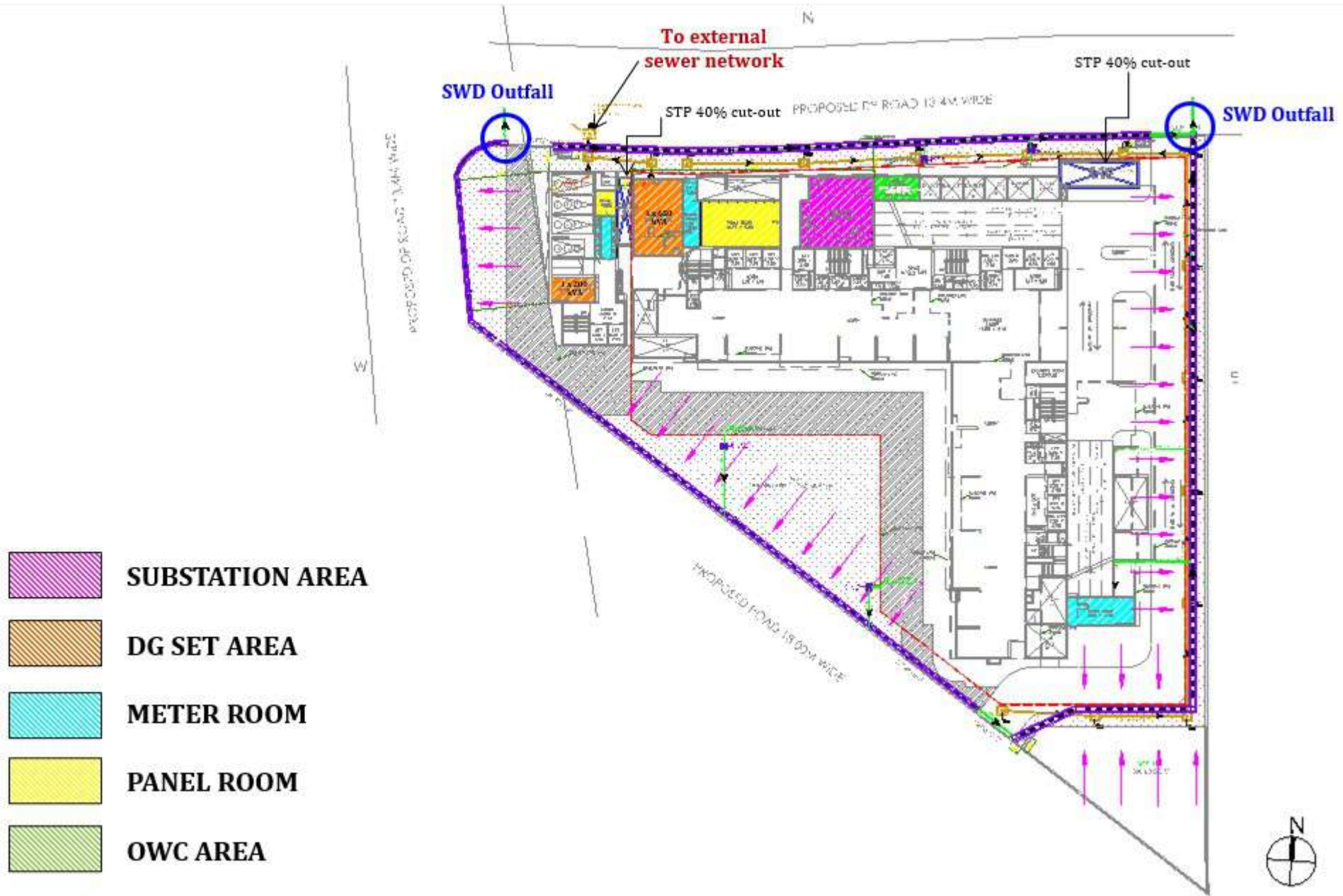
Total Plot Area (sq.m)	6150.57
Total Deductions (Sq.m)	307.53
Net Area (Sq.m)	5843.04

Rain Water Discharged from Roof Area	
Total Roof Area	1830
Run-off Coefficient	0.90
Quantity of rain water collected from roof	205.88

Storm water runoff from paved surfaces	
Internal roads, paved, services area	2145.53
Run-off Coefficient	0.7
Quantity of storm water run-off from paved areas	187.73

Storm water runoff from landscape area	
Total landscape area on mother earth	1867.51
Run-off Coefficient	0.25
Quantity of storm water run-off from green areas	58.36

Total storm water discharge (m³/hr.)	451.97
Water collected in 10 min. of peak rainfall	75.33
volume of one recharge tank	100
No. of recharge tank required	1
No. of RWH tank proposed	2







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3


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WATER**
K RAHEJA CORP



1

2

3

4

5

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TOILET
SC SHARAD CONSTRUCTION PVT. LTD.



SR NO	DATE	VEHICAL	PUC FROM	PUC UPTO	PUC NO	REM
9)	23/11/24	MH03CV 9684	-	02/03/25	-	
10)	-	MH03CP 9684	-	13/10/25	-	
11)	-	MH01CR 6475	-	10/07/25	-	
12)	-	MH47BR 8494	-	22/9/25	-	
13)	-	MH47AV 8494	-	22/09/25	-	
14)	-	MH46BU 5545	-	18/11/25	-	
15)	-	MH48AG 7533	-	26/02/25	-	
16)	-	MH43BG 8587	-	07/05/25	-	
17)	-	MH03CP 3239	-	08/02/25	-	
18)	-	MH20BL 6001	-	13/10/25	-	
19)	-	MH03CV 1247	-	06/07/25	-	
20)	-	MH03DV 2431	-	26/10/25	-	
21)	-	MH01CR 7088	-	05/11/24	-	
22)	-	MH06CP 9353	-	17/11/25	-	
23)	-	MH46CL 4454	-	01/09/25	-	
24)	-	MH01CR 6475	-	10/07/25	-	
25)	-	MH43LE 4944	-	10/11/25	-	
26)	-	MH03CP 4099	-	29/09/25	-	
27)	-	MH43CK 2070	-	10/09/25	-	
28)	-	MH46CL 1817	-	14/10/2025	-	
29)	-	MH43BX 2475	-	07/12/24	-	
30)	-	MH43LE 5297	-	07/12/24	-	
31)	-	MH43CK 2340	-	09/08/25	-	
32)	-	MH46CL 9402	-	02/10/25	-	
33)	-	MH04KP 6545	-	30/06/25	-	⊙
34)	-	MH43BP 1106	-	21/11/25	-	⊙
1)	24-11-24	MH43BP 2112	-	07/12/24	-	⊙
2)	-	MH04KV 6545	-	30/06/25	-	⊙
3)	-	MH04KV 1086	-	30/06/25	-	⊙
4)	-	MH43BP 2030	-	07/11/25	-	⊙
5)	-	MH04LV 1557	-	10/03/25	-	⊙
6)	-	MH43BP 1108	-	expire	-	⊙

Sr No.	Date	Vehicle No.	PUC From	Valid up to	PUC No.	Remark
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(34)	-	MH03EG 1672	08/10/24	07/10/25	-	-
(35)	-	MH43CA 7466	10/11/24	09/11/25	-	-
(36)	-	MH02ER 7797	31/01/24	30/01/25	-	-
(37)	-	MH03ER 7802	31/1/24	30/01/25	-	-
(38)	-	MH46BU 3232	29/04/24	28/04/25	-	-
(39)	-	MH43CA 2807	09/10/24	08/10/25	-	-
(40)	-	MH03EG 1670	16/10/24	15/10/25	-	-
(41)	-	MH02ER 7802	31/01/24	30/01/25	-	-
(42)	18/04/24	MH46BM 328	30/12/23	29/12/24	-	-
(43)	-	MH46BM 3027	30/12/23	29/12/24	-	-
(44)	-	MH46CL 1002	08/09/23	07/09/24	-	-
(45)	-	MH46CL 1003	10/10/23	09/10/24	-	-
(46)	-	MH46CL 7012	20/10/23	19/10/24	-	-
(47)	-	MH43BG 8742	16/04/24	15/04/25	-	-
(48)	-	MH03CY 6499	12/10/25	12/10/25	-	-

Sr No.	Date	Vehicle No.	PUC From	Valid up to	PUC No.	Remark
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(52)	-	MH46BU 7012	31/11/23	30/11/24	-	-
(53)	-	MH04LY 2499	02/04/24	02/04/2024	-	-
(54)	-	MH02ER 7802	31/1/24	30/01/25	-	-
(55)	-	MH04LT 2399	-	expired	-	-
(56)	-	MH03CV 0787	-	expired	-	17/10/2
(57)	-	MH46BU 5304	-	expired	-	18/10/2
(58)	19/04/24	MH46CL 1002	08/09/23	07/09/24	-	-
(59)	-	MH46CL 1003	10/10/23	09/10/24	-	-
(60)	-	MH03EG 1669	08/10/24	07/10/25	-	-
(61)	-	MH43CE 3894	12/11/24	11/11/25	-	-
(62)	-	MH03CV 0787	28/12/23	27/12/24	-	-
(63)	-	MH46CL 1002	08/09/23	07/09/24	-	-
(64)	-	MH04LC 7173	15/04/24	14/04/25	-	-

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I

No:- Format1.0/CC/UAN No.0000181831/CE/2403001648

Date: 17/03/2024

To,
M/s. K Raheja Corp Real Estate
Private Limited.,At plot bearing C. S. No.
(S) 2/2 of Salt pan division situated in F/N
ward, Sion (E), Mumbai.



Sub: Consent to Establish for Residential Development Construction Project.

- Ref:**
1. Application Submitted by SRO-Mumbai-I
 2. Minutes of 30th CC meeting dtd-08.02.2024.

Your application NO. MPCB-CONSENT-0000181831

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

1. **The Consent to Establish is granted for a period upto commissioning of project or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.420.9983 Cr. (As per undertaking submitted by pp).**
3. **The Consent to Establish is valid for Residential Development Construction Project named as M/s. K Raheja Corp Real Estate Private Limited.,At plot bearing C. S. No. (S) 2/2 of Salt pan division situated in F/N ward, Sion (E), Mumbai on Total Plot Area of 6150.57 Sq.Mtrs for construction BUA of 48490.44 Sq.Mtrs as per EC granted dated-26.09.2023 including utilities and services.**

Sr.No	Permission Obtained	Plot Area (SqMtr)	BUA (SqMtr)
1	Environmental Clearance issued dtd-26.09.2023	6150.57	48490.44

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal
1.	Trade effluent	Nil	NA	NA

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	131	As per Schedule - I	The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
S-1	DG Set- 650 KVA	1	As per Schedule -II
S-2	DG Set- 200 KVA	1	As per Schedule -II

6. **Conditions under Solid Waste Rules, 2016:**

Sr No	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	biodegradable	308 Kg/Day	OWC	use as manure
2	Non biodegradable	205 Kg/Day	segregation	Segregate & handed over to authorized vendor

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	20	Ltr/M	Collection	sale to authorized reprocessor

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. PP shall provide STP so as to achieve the treated domestic effluent standard for the parameter BOD-10 mg/lit.
11. The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening.
12. PP shall submit BG to from total sum of Rs. 10 Lakhs towards compliance of EC and consent to establish condition.
13. Project Proponent shall provide Organic waste digester with composting facility or biodigester with composting facility.
14. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
15. The project proponent shall make provision of charging of electric vehicles in atleast 30 % of total available parking area.

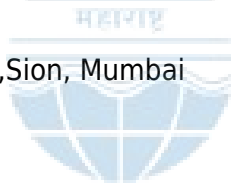
16. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.
17. The Project Proponent shall comply with the Environmental Clearance obtained dtd-26.09.2023 for construction project having Total Plot Area of 6150.57 Sq.Mtrs for construction BUA of 48490.44 Sq.Mtrs as per specific condition of EC.
18. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance/CRZ Clearance.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	841996.60	TXN2310002072	13/10/2023	Online Payment

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai I
 - They are directed to ensure the compliance of the consent conditions.
 - They are directed to obtained B.G. of Rs.10.0 Lakhs towards compliance of consent condition & E.C. Compliance.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to provide MBBR Technology based Sewage Treatment Plants (STPs) of combined capacity **150 CMD for treatment of domestic effluent of 131 CMD.**
- B] The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
1	pH	5.5-9.0
2	BOD	10
3	COD	50
4	TSS	20
5	NH4 N	5
6	N-total	10
7	Fecal Coliform	less than 100

- C] The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.
- 3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act,1974 and as amended, and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	143.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

- 5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) **As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	D.G set of 650 kVA	Acoustic Enclosure	5.00	HSD 130 Kg/Hr	1	SO ₂	62.4 Kg/Day
S-2	D.G set of 200 kVA	Acoustic Enclosure	5.00	HSD 40 Kg/Hr	1	SO ₂	19.2 Kg/Day

- 2) The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

Total Particular matter	Not to exceed	150 mg/Nm ³
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- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
 - The toilet shall be provided with exhaust system connected to chimney through ducting.
 - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
 - The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	10 Lakhs	within 15 days	Towards compliance of consent condition	upto commissioning of unit or five years	upto commissioning of unit or five years

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



SCHEDULE-IV

Conditions during construction phase

A	During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.
B	During construction phase, the ambient air and noise quality shall be maintained and should be closely monitored through MoEF approved laboratory.
C	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.

General Conditions:

- 1 The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011).
- 3 Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4 Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5 Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
- 6 Solid Waste - The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
 - 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
 - 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 9 The treated sewage shall be disinfected using suitable disinfection method.
 - 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
 - 11 The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

This certificate is digitally & electronically signed.

