



भारत सरकार  
GOVERNMENT OF INDIA  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FOREST  
& CLIMATE CHANGE

Integrated Regional Office  
Ground Floor, East Wing  
New Secretariat Building  
Civil Lines, Nagpur – 440001  
apccfcentral-ngp-mef@gov.in

F. No.EC-1832/RON/2022-NGP/11428

Dated: 11<sup>th</sup> April, 2023

To,

The Principal Secretary & Member Secretary, SEIAA,  
Environment Department, Government of Maharashtra  
Room No., 217, 2<sup>nd</sup> Floor, Mantralaya,  
Annex, Mumbai - 400 032 (Maharashtra)  
(Email: [psec.env@maharashtra.gov.in](mailto:psec.env@maharashtra.gov.in))

(Kind Attn: Mr. Pravin Darade, Member Secretary-SEIAA)

**Sub: A report on the status of compliance of conditions stipulated in the environmental clearance granted by SEIAA Maharashtra vide letter No. SIA/MH/MIS/179486/2020 dated 03.03.2023 (EC Identification No.EC23B038MH176123) for Residential Project of M/s Rohan & Atul Enterprises located at 43/3, 43/6, 44 Hinjewadi Taluka Mulshi, District Pune (Maharashtra)-reg.**

**Ref: Project Proponent's letter no. Rohan/2023/0434 dated 15.03.2023**

Sir,

I am directed to refer to the above subject and letter under reference wherein the project proponent obtained Environmental Clearance from Environment Dept., Govt of Maharashtra for total plot area 32,066 Sq. M. and total built up area 50,895.93 Sq. M. (FSI 28,651.57 + Non FSI 22,244.36 Sq. M.)

2. Present status of Construction: Currently Construction is in progress & PP has submitted Architect Certificate stating that they have started only excavation work.

3. Now, Project proponent proposed to go for modification & expansion with proposed built up area from 50,895.93 Sq. M to 97,176.59 Sq. M. (FSI: 47,809.30 Sq. M. + Non FSI: 49,367.29 Sq. M.) Therefore, PP requested the Integrated Regional Office, Nagpur to conduct a site visit to monitor the status of compliance of conditions stipulated in the environment clearance granted for Residential Project of M/s Rohan & Atul Enterprises located at 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune, District Pune (Maharashtra).

4. In view of the same, it is to inform that a visit for the monitoring of compliance of conditions stipulated in the environment clearance has been conducted by Scientist-E of the Integrated Regional Office, Nagpur on 24.03.2023. As per the documents submitted by the project proponent

CCR for Residential Project of M/s Rohan & Atul Enterprises located at 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune., District Pune (Maharashtra)

during the monitoring, and also as informed during the site visit, the details are reported to be as under:

- i. SEIAA Maharashtra granted EC for Residential Project of M/s Rohan Atul Enterprises located at 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune, District Pune (Maharashtra) vide letter no.SIA/MH/MIS/179486/2020 dated 03.03.2023 **(Annexure-I)**
- ii. CTE from MPCB has been obtained vide letter No.Format1.0/JD (WPC)/UAN No.0000123694/CE/2202001530 dated 24.02.2022 **(Annexure-II)**
- iii. CTO is not applicable as project is under construction.
- iv. Architect Certificate has been submitted stating that Construction is in progress as per the EC received. **(Annexure-III)**
- v. Air, Water & Noise quality monitoring has been carried out by MOEF&CC accredited laboratory i.e. (Ashwamedh Engineers and Consultants) **(Annexure-IV)**
- vi. Undertaking has been submitted stating that there is no court case pending in any court of law w.r.t. EC & no stop work is directed by any authority**(Annexure-V)**
- vii. Copy of Detailed Environment Management Plan has been submitted. **(Annexure-VI)**
- viii. Project/site Photographs are attached as **(Annexure-VII)**
- ix. PP has obtained NOC from SWaCH Pune Seva Sahkari Sanstha Ltd. (Govt. Authorized E-waste & Dry Waste Recycler) Pune, pertaining to the safe disposal of Dry Waste &E-Waste. Copy of NOC is enclosed as **(Annexure-VIII)**
- x. PP proposed to treat Wet Waste generated in the project in Organic Waste Composting (OWC) machine.
- xi. Presently, tanker Water is being used for Construction Activity. PP has obtained provisional water NOC from Grampanchayat Hinjewadi **(Annexure-IX)**. PP confirmed that final Water NOC from Grampanchayat Hinjewadi will be obtained once project is completed.
- xii. PP has made advertisement regarding grant of EC. Advertisement was given in two newspapers, one in Marathi and another one in English. Copy of newspaper cuttings are enclosed as **(Annexure-X)**
- xiii. The environmental statement for each financial year ending 31<sup>st</sup>March in (Form-V) will be submitted to MPCB as prescribed under the Environment (Protection) Rules 1986, and amended subsequently after obtaining Part operate in next financial year.

- xiv. PP has left mandatory RG area as per DCR and ensured for plantation. Detailed plan for proposed tree plantation has been submitted (**Annexure-XI**)
- xv. **Project Proponent has not uploaded the status of compliance of the stipulated EC conditions, including results of monitored data on their website.**

5. **PP should ensure implementation of green belt development plan and CSR/CER/EMP works with 30% funds must be earmarked for water/soil conservation and seedling planting/distribution.**

6. A detailed inspection report on the compliance of conditions stipulated in the environmental clearance is enclosed herewith.

This issue with the approval of competent authority.

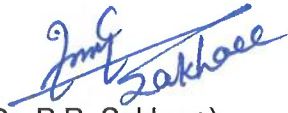
Encl: as above

Yours Faithfully,

  
(Dr. P.R. Sakhare)  
Scientist 'E'

**Copy to:**

- (i) Director ROHQ, MOEF&CC, IPB, 1st Floor Agni Wing, IPB, Jorbagh Road, New Delhi-110003.  
(Email: [rohq-mefcc@gov.in](mailto:rohq-mefcc@gov.in))
- (ii) Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003 (Email: [shruti.rai@nic.in](mailto:shruti.rai@nic.in))
- (iii) Mr. Ashwin Lunkad of M/s Rohan Builders & Developers Pvt. Ltd, 1 Modibaug, Ganeshkhind Road, Near Agriculture College, Shivaji Nagar, Pune-411016 (Maharashtra) (Email: [vijaya.desai@rohanbuilders.com](mailto:vijaya.desai@rohanbuilders.com); [assist.envirotech@gmail.com](mailto:assist.envirotech@gmail.com) )
- (iv) Guard File.

  
(Dr. P.R. Sakhare)  
Scientist 'E'

**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of Environment, Forest & Climate Change**  
**Integrated Regional Office, Nagpur**  
**Monitoring Report**  
**PART-I**  
**DATA SHEET**

| Sr. No.       | Particulars  | Details   |               |               |            |         |                                 |       |         |                          |       |
|---------------|--|---|---------------|---------------|------------|---------|---------------------------------|-------|---------|--------------------------|-------|
| 1.            | Project type:<br>River Valley/ Mining/ Industry/<br>Thermal/ Nuclear/ Others (specify)               | Building & Construction Project (8(a)) Category B2  |               |               |            |         |                                 |       |         |                          |       |
| 2.            | Name of the Project  | Proposed New Residential construction project by<br>M/.S.ROHAN & ATUL ENTERPRISES   |               |               |            |         |                                 |       |         |                          |       |
| 3.            | Clearance letter (s)/ OM No. and date  | Environmental Clearance Letter No.<br>SIA/MH/MIS/179486/2020 dated 03.03.2023   |               |               |            |         |                                 |       |         |                          |       |
| 4.            | Location   |   |               |               |            |         |                                 |       |         |                          |       |
|               | a) District (s)  | Pune  |               |               |            |         |                                 |       |         |                          |       |
|               | b) State (s)   | Maharashtra   |               |               |            |         |                                 |       |         |                          |       |
|               | c) Location latitude / longitude   | Latitude - 18°35'15.49"N<br>Longitude - 73°44'37.97"E   |               |               |            |         |                                 |       |         |                          |       |
| 5.            | Address for Correspondence   | Mr. Ashwin Lunkad   |               |               |            |         |                                 |       |         |                          |       |
|               | a) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers) | M/s. Rohan Builders & Developers Pvt. Ltd.,<br>1 Modibaug, Ganeshkhind Road, Near Agriculture College,<br>Shivaji Nagar, Pune – 411016<br>Tel. : +91 20 7101 7101   |               |               |            |         |                                 |       |         |                          |       |
|               | b) Address of the Concerned Project Chief Engineer (with Pin code & Telephone / Telex / Fax Numbers) | Mob. : 9762722103<br>Email : <a href="mailto:vijaya.desai@rohanbuilders.com">vijaya.desai@rohanbuilders.com</a>   |               |               |            |         |                                 |       |         |                          |       |
| 6.            | Salient features of the Project  | Total Plot Area: 32066Sq. M<br>Total Built up Area: 50895.93 Sq. M<br>Bldg. Structure:  |               |               |            |         |                                 |       |         |                          |       |
|               |  | Conf As per EC  |               |               |            |         |                                 |       |         |                          |       |
|               |  | <table border="1"> <thead> <tr> <th>Building Name</th> <th>Configuration</th> <th>Height (m)</th> </tr> </thead> <tbody> <tr> <td>Block A</td> <td>Basement+stilt+Ground+20 Floors</td> <td>63.95</td> </tr> <tr> <td>Block B</td> <td>Basement+stilt+Ground+21</td> <td>66.85</td> </tr> </tbody> </table> | Building Name | Configuration | Height (m) | Block A | Basement+stilt+Ground+20 Floors | 63.95 | Block B | Basement+stilt+Ground+21 | 66.85 |
| Building Name | Configuration  | Height (m)  |               |               |            |         |                                 |       |         |                          |       |
| Block A       | Basement+stilt+Ground+20 Floors  | 63.95   |               |               |            |         |                                 |       |         |                          |       |
| Block B       | Basement+stilt+Ground+21   | 66.85   |               |               |            |         |                                 |       |         |                          |       |

|    |  |                                 |       |
|----|--|---------------------------------|-------|
|    |  | Floors                          |       |
|    | Block C  | Basement+stilt+Ground+21 Floors | 66.85 |
|    | Block D  | Basement+stilt+Ground+20 Floors | 63.95 |
|    | Club House   | Ground + 1 Floor                | 6.55  |
|    | <p>Flats: 330 Nos.</p> <p>Water Requirement:<br/> Construction Phase: Tanker water<br/> Operation Phase:<br/> Dry Season (CMD): - 247<br/> Source: - Grampanchayat Hinjewadi</p> <p>Solid Waste Management During Construction Phase:<br/> Dry Waste: - 18 Kg/day<br/> Wet Waste: - 27 Kg/day<br/> Operation Phase: Dry Waste: - 303 Kg/day<br/> Wet Waste: - 455 Kg/day</p> <p>Dry waste will be handed over to SWaCH Pune Seva Sahkari Sanstha Ltd. (Govt. Authorized E-waste &amp; Dry Waste Recycler)</p> <p>Power Requirement:</p> <ul style="list-style-type: none"> <li>• During Operational Phase (Demand Load): -2363.88 KVA</li> <li>• During Operational Phase (Demand load): - 1183.76 KW</li> </ul> <p>DG Set 250 kVA X 1<br/> (Source: - MSEDCL)</p> <p>Energy Saving Measures:</p> <ul style="list-style-type: none"> <li>• High energy efficient LED Lamps</li> <li>• Low Loss Transformers</li> <li>• Solar PV, Hot water, Solar Street lights</li> </ul> |                                 |       |
| 7. | Breakup of the Project Area  |                                 |       |
|    | a) Submergence area: forest & non forest   | Not Applicable                  |       |
|    | b) Others  | Not Applicable                  |       |

| 8.                        | Breakup of the project affected population with the enumeration of those losing Houses / Dwelling units only, Agricultural Land & Landless Laborers / Artisans:<br>a) SC, ST/Tribes<br>b) Others | The project is proposed on own land thus there is no displacement of population is proposed.  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
|---------------------------|--|---|--|---------|-------------|-----------------------|---------------------------|--|--|----|---|------|-------|--|------|
| 9 a)                      | Financial Details<br>Project cost as originally planned and subsequent revised estimates and the year of price reference   | Total Project Cost Projected- Rs. 72 Crores   |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| b)                        | Allocation made for environmental management plans with item wise and year wise breakup  | <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particulars</th> <th>Amount. in Rs. Lakhs)</th> </tr> </thead> <tbody> <tr> <td colspan="3">During Construction Phase</td> </tr> <tr> <td>1.</td> <td>Air Environment, Water Environment, Land Environment, Top Soil Preservation, Socio-economic Environment, Safety Training etc.</td> <td>2.80</td> </tr> <tr> <td colspan="2">Total</td> <td>2.80</td> </tr> </tbody> </table> |  | Sr. No. | Particulars | Amount. in Rs. Lakhs) | During Construction Phase |  |  | 1. | Air Environment, Water Environment, Land Environment, Top Soil Preservation, Socio-economic Environment, Safety Training etc. | 2.80 | Total |  | 2.80 |
| Sr. No.                   | Particulars  | Amount. in Rs. Lakhs)   |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| During Construction Phase |  |   |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| 1.                        | Air Environment, Water Environment, Land Environment, Top Soil Preservation, Socio-economic Environment, Safety Training etc.  | 2.80  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| Total                     |  | 2.80  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| c)                        | Benefit cost ratio/Internal rate of return and the year of assessment  | Not applicable  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| d)                        | Whether (c) includes the cost of environmental management as shown in the above  | Yes, included   |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| e)                        | Actual expenditure incurred on the project so far  | As per requirement  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| f)                        | Actual expenditure incurred on the EMP so far  | As per requirement  |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| 10                        | Forest Land Requirement  |   |  |         |             |                       |                           |  |  |    |   |      |       |  |      |
| 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 comments on the viability & sustainability of compensatory afforestation program 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 or reservoir, approach roads.), if any with quantitative information required.   | Not applicable   |
| 12 | Status of construction (Actual & /or planned)  | Construction Status:<br>Only excavation work initiated. Architect certificate attached for the same.   |
| a) | Date of commencement (Actual & / or planned)   | 04.03.2023   |
| b) | Date of completion (Actual & /or planned)  | November 2026  |
| 13 | Reasons for the delay if the project is yet to start   | NA   |
| 14 | Dates of Site Visits   | NA   |
| a) | The dates on which the project was monitored by the RO on previous occasions, if any   | Nil  |
| b) | Date of site visits for this monitoring report   | Air, Noise, Water & Soil sampling were done on dated 02.04.2022, Laboratory details: Ashwamedh engineers and consultant (MoEF & CC recognised Lab) |
| 15 | Details of correspondence with project authorities for obtaining action plans / information on the status of compliance to safeguards other than the routine letters for logistic support for site visit. (The monitoring report may contain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently). | Nil  |

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A report on the status of compliance of conditions stipulated in the environmental clearance granted by SEIAA Maharashtra vide letter No. SIA/MH/MIS/179486/2020 dated 03.03.2023 (EC Identification No.EC23B038MH176123) for Residential Project of M/s Rohan & Atul Enterprises located at 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune, District Pune (Maharashtra)

A monitoring report on the status of compliance of conditions stipulated in Environmental clearance is given as under:

The project is under construction phase. Hence, compliance status of construction phase conditions is only given below:

| Sl. No. | Conditions as per EC dated 03.03.2023  | Compliance Status as on 24.03.2023   |
|---------|--|--|
|         | <u>Specific Conditions:</u>  |  |
| A.      | <u>SEAC Conditions:</u>  |  |
| 1       | PP to Submit Cutting and filling plan.   | <b>Complied.</b><br><br>PP has submitted Cutting and filling plan enclosed copy as <b>(Annexure-XII)</b>   |
| 2       | PP has submitted NOC of Grampanchayat Hinjewadi along with Tharav of Grampanchayat for water supply and connection to sewerage network of grampanchayat. | <b>Complied.</b>   |
| 3       | PP to submit revised evacuation plan with evacuation time less than 20 minutes for entire project including occupants, visitors, vehicles.               | <b>Complied.</b><br><br>PP has submitted revised evacuation plan with evacuation time less than 20 minutes for entire project including occupants, visitors, and vehicles. Copy enclosed as <b>(Annexure-XIII)</b> |
| 4       | PP to submit undertaking regarding Biomedical waste disposal.  | <b>Complied.</b><br><br>PP has submitted undertaking regarding Biomedical waste disposal copy enclosed as <b>(Annexure-XIV)</b>  |



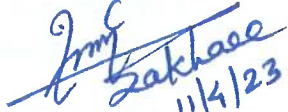
|           |  |   |
|-----------|--|---|
| 5         | PP to provide electric charging points at suitable places in parking to cover minimum 25% total of parking.  | <b>PP has consented to Condition.</b>   |
| <b>B.</b> | <b>SEIAA Conditions:</b>   |   |
| 1.        | PP to keep open space unpaved so 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.                              | <b>PP has consented to Condition.</b><br><br>Project is in construction phase after completion of construction work, so as to ensure permeability of water. They will provide grass pavers of suitable types and strength to increase the water permeable area. |
| 2.        | PP to achieve at least 5% of total energy requirement from solar and other removable sources.  | <b>PP has consented to Condition.</b>   |
| 3.        | PP shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF&CC vide F.No. 22-34/2018-IA.III dated 04.01.2019   | <b>PP has consented to Condition.</b>   |
| 4.        | SEIAA after deliberation decided to grant EC FOR FSI Area : 28651.57 m <sup>2</sup> , NON-FSI Area: 22244.36 m <sup>2</sup> And Total BUA : 50895.93 m <sup>2</sup> (Plan approval-BMU/CR/1998/Mouze/Hinjewadi/S.no./G.no/CTS No. 43/3,43/6 & 44 dated 04.02.2021) (Restricted as per appraisal) | <b>Noted.</b>   |
|           | <b>General Conditions:</b>   |   |
| a)        | <b>Construction Phase:</b>   |   |
| 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.  | <b>Complied.</b><br><br>During construction phase the generation of Dry Waste is 18 Kg/day and it is being handed over to SWaCH.  |
| II.       | Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects  | <b>PP has consented to Condition.</b>   |

|       |   |  |
|-------|---|--|
|       | of people, only in 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.  | <b>No Hazardous waste material is generated since it is a construction activity.</b>   |
| 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. | <b>Complied.</b><br>PP has made arrangement for drinking water and sanitary facility for construction workers.                       |
| V.    | Arrangement shall be made that waste water and storm water do not get mixed   | <b>PP has consented to Condition.</b><br>PP will make arrangement for the waste water and storm water so that it will not get mixed. |
| VI.   | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.  | <b>Complied.</b><br>For water conservation measures, use of ready-mix concrete and practice of curing agents are regularly used.     |
| VII.  | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.   | <b>Complied.</b><br>No ground water extraction is being carried out.   |
| VIII. | Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.  | <b>PP has consented to condition.</b><br>PP is not drawing ground water.   |
| 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   | <b>PP has consented to Condition.</b><br>PP ensures to install in later stages of construction.                                      |

|       |  |   |
|-------|--|---|
| X.    | The Energy Conservation Building code shall be strictly adhered to.  | <b>PP has consented to Condition.</b>   |
| XI.   | All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.   | <b>Complied.</b><br>The generated topsoil is being store and will be used for landscaping purpose.  |
| XII.  | Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.                  | <b>PP has consented to Condition.</b><br>Excavated debris & construction waste will be reused on site for backfilling and plot leveling.  |
| 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.                                    | <b>Complied.</b><br>PP has informed that soil samples are being tested regularly; groundwater is not used for any purpose.  |
| 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 Environmental Clearance.           | <b>PP has consented to Condition.</b><br>PP assured to adhere to all the stipulated conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975.   |
| 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 | <b>PP has consented to Condition.</b><br>PP informed that CPCB approved enclosed type D.G. sets will be used in case of power failure. The location and height of the DG set will be installed as per the Central Pollution Control Board (CPCB). |
| XVI.  | 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 Environmental Clearance.           | <b>PP has consented to Condition.</b><br>PP assured to adhere to all the stipulated conditions mentioned in Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975.   |

|        |   |  |
|--------|---|--|
| XVII.  | Vehicles hired for transportation of Raw material shall strictly comply the emission norms prescribed by Ministry of Road Transport & Highway Department. The vehicle shall be adequately covered to avoid spillage / leakage.  | <b>Complied.</b><br><br>Vehicles hired for bringing construction material to the site is regularly maintained / monitored to avoid spillage/leakage.   |
| XVIII. | 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   | <b>Complied.</b><br><br>Ambient Noise level and Ambient Air monitoring carried out through MoEF approved laboratory.   |
| XIX.   | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board. | <b>PP has consented to Condition.</b><br><br>CPCB approved enclosed type D.G. sets will be used in case of power failure.<br><br>The Stack height of DG set will be installed as per the Central Pollution Control Board (CPCB). |
| XX.    | 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>Complied.</b><br><br>Project proponent has made Separate Environment Cell for regular supervision.  |

2. The PP has also informed that no court case in any court of law is pending against their project.

  
 (Dr. P.R. Sakhare)  
 11/4/23  
 Scientist 'E'

ENVIRONMENTAL  
CLEARANCE

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

To,

The Director

M.S.ROHAN &amp; ATUL ENTERPRISES

1 modibaug commercial complex ganeshkhind road near agricultural college pune -412108

**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/MIS/179486/2020 dated 17 Oct 2020. The particulars of the environmental clearance granted to the project are as below.

|  |  |
|--|--|
| 1. EC Identification No.                   | EC23B038MH176123   |
| 2. File No.                                | SIA/MH/MIS/179486/2020   |
| 3. Project Type                            | New  |
| 4. Category                                | B2   |
| 5. Project/Activity including Schedule No. | 8(a) Building and Construction projects  |
| 6. Name of Project                         | Residential construction project at 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune.by M/s. Rohan Atul Enterprises |
| 7. Name of Company/Organization            | M.S.ROHAN & ATUL ENTERPRISES   |
| 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: 03/03/2023

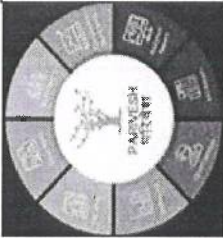
(e-signed)  
Pravin C. Darade , I.A.S.  
Member Secretary  
SEIAA - (Maharashtra)

*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.*

*This is a computer generated cover page.*

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

No. SIA/MH/MIS/179486/2020  
 Environment & Climate  
 Change Department  
 Room No. 217, 2<sup>nd</sup> Floor,  
 Mantralaya, Mumbai- 400032.  
 Date:

To  
 M/s. Rohan Atul Enterprises,  
 S. No 43/3, 43/6, 44 at Hinjewadi,  
 Tal-Mulshi Pune.

Subject : Environment Clearance for Residential construction project at S. No 43/3, 43/6, 44 at Hinjewadi Tal-Mulshi Pune by M/s. Rohan Atul Enterprises

Reference : Application no. SIA/MH/MIS/179486/2020

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-3 in its 115<sup>th</sup> meeting under screening category 8 (a) B2 as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 230<sup>th</sup> Part A & 255<sup>th</sup> (Day-3) meeting of State Level Environment Impact Assessment Authority (SEIAA).

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

|                            |  |  |
|----------------------------|--|--|
| Proposal Number            | PARIVESH NO: SIA/MH/MIS/179486/2020  |  |
| Name of Project            | Proposed Project at 43/3, 43/6, 44, Hinjewadi Tal. : Mulshi, Dist: Pune by Rohan & Atul Enterprises  |  |
| Project category           | Schedule 8(a) Category B2  |  |
| Type of Institution        | Private  |  |
| Project Proponent          | Name   | Mr. Ashwin Lunkad  |
|                            | Regd. Office address   | -1 Modibaug, Ganeshkhind Road, Near Agriculture College, Shivaji Nagar, Pune - 411016. |
| Consultant                 | EMP Consultant: ABC Techno Labs India Pvt. Ltd. (Accredited by NABET vide no NABET/EIA/1922/RA 0155 dated 2nd March 2020 valid up to 24th May 2022) (The scope of consultancy is limited to preparation of Environment Management Plan Only) In Accordance with EIA Amendment Notification dtd. 03.03.2016 |  |
| Applied for                | New  |  |
| Details of previous EC     | NA   |  |
| Location of the project    | At 43/3, 43/6, 44, Hinjewadi Tal. : Mulshi, Dist: Pune State – Maharashtra   |  |
| Latitude and Longitude     | 18°35'15.35"N<br>73°44'39.30"E   |  |
| Total Plot Area (m2)       | 32066.00(As per measurement sheet-31870.99)  |  |
| Deductions (m2)            | 19542.43   |  |
| Net Plot area (m2)         | 12328.56   |  |
| Proposed FSI area (m2)     | 28,651.57  |  |
| Proposed Non-FSI area (m2) | 22,244.36  |  |

|   |   |   |                        |                                       |                                  |
|---|---|---|------------------------|---------------------------------------|----------------------------------|
| Proposed TBUA (m2)  | 50,895.93   |   |                        |                                       |                                  |
| TBUA (m2) approved by Planning Authority till date  | 51,397.45 (29035.39(FSI) + 22362.06(Non FSI) Approval by PMRDA, Pune vide no. BMU/CR/1998 Mouje Hinjewad Dated 04/02/2021 |   |                        |                                       |                                  |
| Ground coverage (m2) & %  | 26.70%  |   |                        |                                       |                                  |
| Total Project Cost (Rs.)  | 72 Cr.  |   |                        |                                       |                                  |
| Details of Building Configuration :<br><Please use following legends: Floor = F , Parking = Pk, Podium = Po, Stilt =St, Lower Ground = LG, Upper Ground = UG, Basement = B, Shops = Sh> |   |   |                        |                                       | Reason for Modification / Change |
| Previous EC / Existing Building   |   |   |                        |                                       |                                  |
| Proposed Configuration  |   |   |                        |                                       |                                  |
| Building Name   | Configuration   | Height (m)  | Building Name          | Configuration                         | Height (m)                       |
| -   | -   | -   | Block A                | Basement + Stilt + Ground + 20 Floors | 63.95                            |
| -   | -   | -   | Block B                | Basement + Stilt + Ground + 21 Floors | 66.85                            |
| -   | -   | -   | Block C                | Basement + Stilt + Ground + 21Floors  | 66.85                            |
| -   | -   | -   | Block D                | Basement + Stilt + Ground + 20 Floors | 63.95                            |
| -   | -   | -   | Club House             | Ground + 1 Floor                      | 6.55                             |
| Total number of tenements   |   |   | 330                    |                                       |                                  |
| Water Budget  | Dry Season (CMD)  |   | Wet Season (CMD)       |                                       |                                  |
|   | Fresh Water   | 154   | Fresh Water            | 154                                   |                                  |
|   | Recycled (Flushing + Gardening)   | 93  | Recycled               | 74                                    |                                  |
|   | Swimming Pool   | 2   | Swimming Pool          | 2                                     |                                  |
|   | Flushing  | 74  | Flushing               | 74                                    |                                  |
|   | Total   | 247   | Total                  | 228                                   |                                  |
|   | Waste water generation  | 206   | Waste water generation | 206                                   |                                  |
| Water Storage Capacity for Firefighting / UGT   | UGT Tank  | Domestic m3   | Flushing m3            | Fire m3                               |                                  |
|   | OHT   | 150   | 75                     | 40                                    |                                  |
|   | UGT   | 230   | -                      | 300                                   |                                  |
| Source of water   | Grampanchayat Hinjewadi   |   |                        |                                       |                                  |
| Rainwater Harvesting (RWH)  | Level of the Ground water table   | Summer Season – 16.67 m. to 23.33 m. BGL. (20.00 M. Average)<br>Rainy Season – 5.67 m. to 8.00 BGL. (6.84 M. Average)<br>Winter Season – 11.17 m. to 15.67 m. BGL. (13.42 M. Average) |                        |                                       |                                  |
|   | Size and no of RWH tank(s) and Quantity   | N.A.  |                        |                                       |                                  |
|   | Quantity and size of recharge pits  | Total 7 Nos. (4 for Roof Top & 3 for Surface Run Off)<br>a) 2.25 m. X 2.25 m. X 1.25 m. (Roof Top   |                        |                                       |                                  |

|  |                                    |  |                                  |
|--|------------------------------------|--|----------------------------------|
|  |                                    | RWH )<br>b) 2.50 m. X 2.50 m. X 1.75 m. (Surface Run RWH)  |                                  |
|  | Details of UGT tanks if any        | NA   |                                  |
| Sewage and Wastewater                            | Sewage generation in CMD           | 206  |                                  |
|  | STP technology                     | MBBR   |                                  |
|  | Capacity of STP (CMD)              | 210 m <sup>3</sup>   |                                  |
| Solid Waste Management during Construction Phase | Type                               | Quantity (kg/d)  | Treatment / disposal             |
|  | Dry waste:                         | 18 Kg /day (100 workers)   | Through Authorized vendor        |
|  | Wet waste:                         | 27 Kg /day (100 workers)   | Through Authorized vendor        |
| Solid Waste Management during Operation Phase    | Type                               | Quantity (kg/d)  | Treatment / disposal             |
|  | Dry waste                          | 303  | Handed over to Authorized Agency |
|  | Wet waste                          | 455  | OWC                              |
|  | Hazardous waste                    | Negligible   | Negligible                       |
|  | Biomedical waste                   | N.A.   | N.A.                             |
|  | E-Waste                            | 825 Kg/Year  | Handed over to Authorized Agency |
|  | STP Sludge (dry)                   | 12   | Composting As manure             |
| Green Belt Development                           | Total RG area (m <sup>2</sup> )    | Mandatory RG area (10 %): 1450.42 Sq m<br>Proposed Club house area (10 % of RG area on ground)- 10 % of RG area on ground + 5% on 1 <sup>st</sup> floor ) : 145 + 72.5 = 217.5 Sqm<br>Additional Periphery plantation Green area : 102 Sq m<br>Green Area on Podium : 1561 Sq m<br><b>Total-3258 SQM</b> |                                  |
|  | Existing trees on plot             | 14   |                                  |
|  | Number of trees to be planted      | 154  |                                  |
|  | Number of trees to be cut          | 0  |                                  |
|  | Number of trees to be transplanted | NIL  |                                  |

3. Proposal is a new construction project. Proposal has been considered by SEIAA in its 230<sup>th</sup> Part A meeting and decided to accord Environment Clearance, however Environment Clearance was not issued to the project as PP has not submitted revised water NOC. Now, PP submitted revised Water NOC. Proposal is then considered by SEIAA in its 255<sup>th</sup> (Day-3) meeting and decided to grant 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 the cutting & filling plan.
2. PP has submitted NOC of Gram Panchayat Hinjewadi along with Tharav of Gram Panchayat for water Supply and connection to sewage network of Gram Panchayat.
3. PP to submit revised evacuation plan with evacuation time less than 20 minutes for



entire project including occupants, visitors and vehicles.

4. PP to submit the undertaking regarding Bio-medical Waste disposal.
5. PP to provide electric charging points at suitable places in parking to cover minimum 25% of total parking.

**B. SEIAA Conditions-**

1. 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.
2. PP to achieve at least 5% of total energy requirement from solar/other renewable sources.
3. 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.
4. SEIAA after deliberation decided to grant EC for – FSI-28,651.57 m<sup>2</sup>, Non-FSI-22,244.36 m<sup>2</sup>, Total BUA-50,895.93 m<sup>2</sup>. (Plan approval-BMU/CR1998/Mouze Hinjewadi/S.no/G.no/CTS no.43/3, 43/6 & 44, dated-04.02.2021) (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. 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.
  - XVII. 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.
  - XVIII. 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.
  - XIX. 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.
  - XX. 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 <http://parivesh.nic.in>
- XII. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- XIII. 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.
- XIV. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (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 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, 1<sup>st</sup> 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, Pune .
6. Commissioner, PMRDA
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Validity unknown

Digitally signed by Shri Pravin C.  
Darade , I.A.S.  
Member Secretary  
Date: 3/3/2023 1:30:54 PM

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24044532/4024068/4023516  
Website: <http://mpcb.gov.in>  
Email: [jdwater@mpcb.gov.in](mailto:jdwater@mpcb.gov.in)



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

Infrastructure/RED/M.S.I

No:- Format1.0/JD (WPC)/UAN No.0000123694/CE/2202001530

Date: 24/02/2022

To,  
M/s. Rohan & Atul Enterprises  
(Hinjewadi 43 &44),43/3, S. No. 43/6, & 44  
Hinjawadi, Tal Mulshi, Dist Pune



Your Service is Our Duty

**Sub: Consent to Establish for Construction project under Red Category**

**Ref:** Application submitted by SRO Pune-II

Your application NO. MPCB-CONSENT-0000123694

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 is granted for period upto commissioning of the project or five years whichever is earlier
2. The capital investment of the project is Rs.72 Cr. (As per undertaking submitted by pp).
3. The Consent to Establish is valid for construction project named named as M/s. Rohan & Atul Enterprises (Hinjewadi 43 &44),S. No 43/3, 43/6, & 44 Hinjawadi, Tal Mulshi Dist Pune on total plot area of 32066.0 SqMtrs and total construction BUA of 50,895.93 SqMtrs as per specific condition of EC granted dated 13.10.2021 including utilities and services.

| Sr.No | Permission Obtained                    | Plot Area (SqMtr) | BUA (SqMtr) |
|-------|--|-------------------|-------------|
| 1     | Environmental Clearance dtd 13.10.2021 | 32066.00          | 50895.93    |

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 | 206       | 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-250 KVA                | 01              | As per Schedule -II      |

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

| Sr No | Type Of Waste | Quantity & UoM | Treatment   | Disposal                         |
|-------|---------------|----------------|---|----------------------------------|
| 1     | Wet Waste     | 455 Kg/Day     | Organic waste Converter with composting facility / Biogas digester with composting facility | As Manure                        |
| 2     | Dry Waste     | 303 Kg/Day     | Segregation   | Handed over to Authorized Agency |
| 3     | STP Sludge    | 20 Kg/Day      | Dewatering  | As Manure                        |

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

| Sr No | Category No.          | Quantity | UoM   | Treatment    | Disposal                  |
|-------|-----------------------|----------|-------|--------------|---------------------------|
| 1     | 5.1 Used or spent oil | 50       | Ltr/A | Reprocessing | 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. Project Proponent shall install online monitoring system for the parameter pH, SS, BOD and flow at the outlet of STP.
11. Project Proponent shall provide Organic waste digester with composting facility or biogestor with composting facility.
12. 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.
13. The project proponent shall make provision of charging of electric vehicles in atleast 40 % of total available parking area.
14. The project proponent shall take adequate measures to control dust emission and noise level during construction phase.

15. The Project Proponent shall comply with the Environmental Clearance obtained vide No SIA/MH/MIS/179486/2020 dtd for construction project having total plot area of 32066.0 Sqm and total construction BUA of 50895.93 Sqm as per specific condition of EC.
16. PP shall submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance/CRZ Clearance.



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a1547df2

Signed by: Dr. Y.B.Sontakke  
Joint Director (WPC)  
For and on behalf of,  
Maharashtra Pollution Control Board  
jdwater@mpcb.gov.in  
2022-02-24 15:38:06 IST

**Received Consent fee of -**

| Sr.No | Amount(Rs.) | Transaction/DR.No. | Date       | Transaction Type |
|-------|-------------|--------------------|------------|------------------|
| 1     | 100000.00   | TXN2110002151      | 25/10/2021 | Online Payment   |

**Copy to:**

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune II  
- They are directed to ensure the compliance of the consent conditions.
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 Sewage Treatment Plant (STP) with design capacity of 210 CMD based on MBBR  
B] 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.**

| <i>Sr. No.</i> | <i>Purpose for water consumed</i>  | <i>Water consumption quantity (CMD)</i> |
|----------------|--|---|
| 1.             | Industrial Cooling, spraying in mine pits or boiler feed                                       | 0.00                                    |
| 2.             | Domestic purpose   | 247.00                                  |
| 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. | Stack Attached To | APC System         | Height in Mtrs. | Type of Fuel | Quantity & UoM |
|-----------|-------------------|--------------------|-----------------|--------------|----------------|
| S-1       | DG SET-250 KVA    | Acoustic Enclosure | 3.0             | Diesel       | 30.66 Ltr/Hr   |

- 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 <sup>3</sup> |
|-------------------------|---------------|------------------------|

- 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 | Rs 10 Lakhs       | 15 Days           | Compliance of Consent Conditions and EC Conditions | upto Commissioning of the project | upto Commissioning of the project |

\*\* 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

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

---



DATE: 14/03/2023.

**CERTIFICATE**  
(TO WHOM SO EVER IT MAY CONCERN)

I am appointed as an Architect for the proposed Residential construction project Rohan Nidhita, by M/S ROHAN & ATUL ENTERPRISES located at 43/3, 43/6 & 44 at Hinjewadi Tal-Mulshi, Pune, Maharashtra. We have obtained EC for the above project vide **EC Identification No. EC23B038MH176123** and vide file no SIA/MH/MIS/179486/2020, for BUA as under:

**FSI = 28651.57 m<sup>2</sup>**  
**Non-FSI = 22244.36 m<sup>2</sup>**  
**Total BUA = 50895.93 m<sup>2</sup>**

The construction at the above mentioned site is already initiated and is continued as per previous EC. There is no deviation in the construction completed at site & the EC obtained. The difference in the FSI and NON FSI values in the obtained EC & constructed construction is due to UDCPR where the FSI is calculated by P-line. The figures for completed BUA as on date of this certificate are as under.

**FSI = 0.00 m<sup>2</sup>**  
**Non-FSI = 0.00 m<sup>2</sup>**  
**Total BUA = 0.00 m<sup>2</sup>**

Excavation work is in progress on site.

The completed construction details are as follows:

| Sr. No. | Building details | Constructed status        | Sanctioned FSI          | Sanctioned NON-FSI      | Built up area (FSI+NON FSI) |
|---------|------------------|---------------------------|-------------------------|-------------------------|-----------------------------|
| 1       | A                | Excavation<br>In progress | 28651.57 m <sup>2</sup> | 22244.36 m <sup>2</sup> | 50895.93 m <sup>2</sup>     |
| 2       | B                |                           |                         |                         |                             |
| 3       | C                |                           |                         |                         |                             |
| 4       | D                |                           |                         |                         |                             |

We are proposing the total BUA as under -

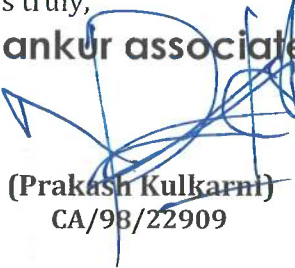
**FSI = 47,809.30 m<sup>2</sup>**  
**Non-FSI = 49,367.29 m<sup>2</sup>**  
**Total BUA = 97,176.59 m<sup>2</sup>**

The proposed building configuration is as follows:

| Sr. No. | Building Name | Configuration  | Height(M) | Tenements (No.) |
|---------|---------------|----------------|-----------|-----------------|
| 1       | A             | B2+B1+Stilt+24 | 76.86     | 96              |
| 2       | B             | B2+B1+Stilt+24 | 76.86     | 88              |
| 3       | C             | B2+B1+Stilt+32 | 101.18    | 122             |
| 4       | D             | B2+B1+Stilt+32 | 101.18    | 192             |
| 5       | Club House    | B1+B2+Gr.+2    | 12.60     |                 |

Yours truly,

FOR **ankur associates**

  
(Prakash Kulkarni)  
CA/98/22909



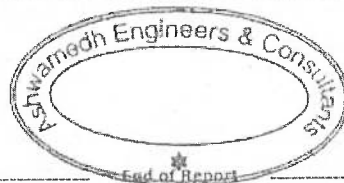
## TEST REPORT

|                              |   |                               |            |
|------------------------------|---|-------------------------------|------------|
| Sample ID : S/01/22/0210     | Report No. S/01/22/0210   | Report Date                   | 21/01/2022 |
| Name and address of Customer | <b>Rohan &amp; Atul Enterprises</b><br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory  | Sample Description / Type     | Soil       |
| Sample Location              | Project site  | Date - Sampling               | 15/01/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag  | Date - Receipt of Sample      | 17/01/2022 |
| Sampling Procedure           | AEC/SAM/37  | Date - Start of Analysis      | 17/01/2022 |
| Order Reference              | W.O. dated 20.12.2021   | Date - Completion of Analysis | 20/01/2022 |

| Sr. No.   | Parameter                      | Result      | Unit       | Method                          |
|---|--------------------------------|-------------|------------|---------------------------------|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b> |                                |             |            |                                 |
| 1   | pH (1:5 suspension)            | 8.62        | -          | FAO. Sec. III. 1. Page no 65    |
| 2   | Moisture Content               | 11.3        | g/100g (%) | AEC/C/SAP/S-2                   |
| 3   | Water Holding Capacity         | 19          | %          | AEC/C/SAP/S-18                  |
| 4   | Cation Exchange Capacity       | 19.5        | meq/100 g  | FAO. Sec. III. 7-2, Page no 104 |
| 5   | Total Nitrogen (as N)          | 64.2        | mg/kg      | FAO. Sec. III. 4. Page no 78    |
| 6   | Total Potassium (as K)         | 595         | mg/kg      | USEPA/SW 846/7000B              |
| 7   | Sodium (as Na)                 | 655         | mg/kg      | USEPA/SW 846/7000B              |
| 8   | Copper (as Cu)                 | 58.1        | mg/kg      | USEPA/SW 846/7000B              |
| 9   | Cadmium (as Cd)                | BLQ (LOQ:5) | mg/kg      | USEPA/SW 846/7000B              |
| 10  | Lead (as Pb)                   | 7.13        | mg/kg      | USEPA/SW 846/7000B              |
| 11  | Nickel (as Ni)                 | 38.6        | mg/kg      | USEPA/SW 846/7000B              |
| 12  | Zinc (as Zn)                   | 7.89        | mg/kg      | USEPA/SW 846/7000B              |
| 13  | Boron (as B)                   | 17.3        | mg/kg      | USEPA/SW 846/6010C              |
| 14  | Chloride (as Cl)               | 62          | mg/kg      | AEC/C/SAP/S-7                   |
| 15  | Sulphate (as SO <sub>4</sub> ) | 304         | mg/kg      | AEC/C/SAP/S-8                   |

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification  
 Note: All results are on air dry basis.  
 FAO: Food & Agriculture Organization, United Nations.  
 Sample ID S/01/22/0210 bears two Test Reports - S/01/22/0210 and S/01/22/0210N



 Kavita Shewale  
 Section In-charge (Chemical)  
 Reviewed & Authorised by


## Note:

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4. There are no additions to, deviations or exclusions from the method.







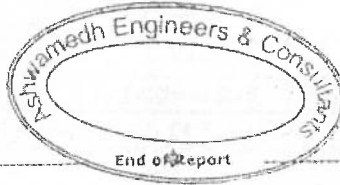
**TEST REPORT**

|                              |   |                               |            |
|------------------------------|---|-------------------------------|------------|
| Sample ID: S/01/22/0210      | Report No. S/01/22/0210N  | Report Date                   | 21/01/2022 |
| Name and address of Customer | <b>Rohan &amp; Atul Enterprises</b><br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory  | Sample Description / Type     | Soil       |
| Sample Location              | Project site  | Date - Sampling               | 15/01/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag  | Date - Receipt of Sample      | 17/01/2022 |
| Sampling Procedure           | AEC/SAM/37  | Date - Start of Analysis      | 17/01/2022 |
| Order Reference              | W.O. dated 20.12.2021   | Date - Completion of Analysis | 20/01/2022 |

| Sr. No.  | Parameter       | Result         | Unit  | Method             |
|--|-----------------|----------------|-------|--------------------|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b>  |                 |                |       |                    |
| 1  | Calcium (as Ca) | 3.49           | mg/kg | AEC/C/SAP/S-9      |
| 2  | Mercury (as Hg) | BLQ (LOQ:0.04) | mg/kg | USEPA/SW 846/7471B |
| BLQ: Below Limit of Quantification, LOQ: Limit of Quantification<br>Note: All results are on air dry basis.<br>FAO: Food & Agriculture Organization, United Nations.<br>Sample ID S/01/22/0210 bears two Test Reports - S/01/22/0210 and S/01/22/0210N |                 |                |       |                    |

*Kavita Shewale*

Kavita Shewale  
Section In-charge (Chemical)  
Reviewed & Authorised by



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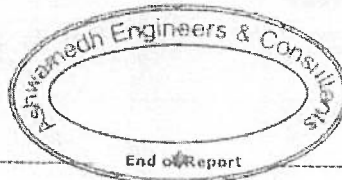
**AMBIENT AIR QUALITY MONITORING REPORT**

|                              |  |                               |             |
|------------------------------|--|-------------------------------|-------------|
| Sample ID : AA/02/22/0318    | Report No. AA/02/22/0318   | Report Date                   | 18/02/2022  |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra   |                               |             |
| Sampling done by             | Laboratory   | Sample Description / Type     | Ambient Air |
| Sampling Location            | Project Site   | Date - Sampling               | 10/02/2022  |
| Sample Quantity / Packing    | PM <sub>10</sub> : 1 x 1 no. filter paper<br>PM <sub>2.5</sub> : 1 x 1 no. filter paper<br>SO <sub>2</sub> : 30 ml x 2 no. plastic bottle<br>NO <sub>2</sub> : 30 ml x 2 no. plastic bottle<br>CO: 1 x 1 no. bladder | Date - Receipt of Sample      | 12/02/2022  |
| Sampling Procedure           | As per method reference  | Date - Start of Analysis      | 12/02/2022  |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 18/02/2022  |

**Meteorological Data / Environmental Conditions**

| Average Wind Velocity<br>8 km/h                                | Wind Direction<br>E | Relative Humidity<br>(Max./Min.): 75/60% | Temperature<br>(Max./Min.): 28/19°C                | Duration of Survey<br>8 h |
|--|---------------------|--|--|---------------------------|
| Parameter  | Result              | Unit                                     | Method   |                           |
| <b>Chemical Testing; Group: Atmospheric Pollution</b>          |                     |  |  |                           |
| Sulphur Dioxide (SO <sub>2</sub> )                             | 5.87                | µg/m <sup>3</sup>                        | IS 5182 (Part 2): 2001                             |                           |
| Nitrogen Dioxide (NO <sub>2</sub> )                            | 9.21                | µg/m <sup>3</sup>                        | IS 5182 (Part 6): 2006                             |                           |
| Particulate Matter (size less than 10 µm) or PM <sub>10</sub>  | 27                  | µg/m <sup>3</sup>                        | IS 5182 (Part 23): 2006                            |                           |
| Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub> | 7                   | µg/m <sup>3</sup>                        | USEPA CFR 40, Part 50, Appendix L                  |                           |
| Carbon Monoxide (CO)   | 1.38                | mg/m <sup>3</sup>                        | CPCB Guidelines, Volume II, 37/2012-13, Page no 16 |                           |

*B. Shewale*  
Kavita Shewale  
Section In-charge (Chemical)  
Reviewed & Authorised by



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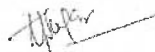


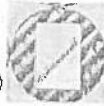
### NOISE LEVEL MEASUREMENT REPORT

|                              |   |                          |               |
|------------------------------|---|--------------------------|---------------|
| Sample ID: N/02/22/0328      | Report No.: N/02/22/0328  | Report Date              | 14/02/2022    |
| Name and Address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At 43/3, 43/6 & 44,<br>Hinjewadi, Tal. Mulshi,<br>Dist. Pune |                          |               |
| Monitoring Done By           | Laboratory  | Sample Description /Type | Ambient Noise |
| Order Reference              | As Per Work Order dated on<br>20.12.2021  | Date of Monitoring       | 10/02/2022    |

#### Chemical Testing; Group: Atmospheric Pollution

| Location  | Time (h)                        | Results                             |                                     | Method   |
|---|---------------------------------|-------------------------------------|-------------------------------------|--|
|   |                                 | Noise Level dB (A)<br>Fast Response | Noise Level dB (A)<br>Slow Response |  |
| A. Near Project Site  | 09:45                           | 51.2                                | 50.6                                | CPCB Protocol for Ambient Level<br>Noise Monitoring July<br>A/E/C/SAP/SAW/358/36 Issue<br>no-4 Issue date 01/04/2018 |
|   | 22:15                           | 42.0                                | 40.3                                |  |
| <b>Limits</b>   |                                 |                                     |                                     |  |
| As Per the Noise Pollution (Regulation & Control) Rules, 2000<br>(Rules 3 (1) and 4(1)) |                                 |                                     |                                     |  |
| Area Type   | Limits in dB (A) weighted scale |                                     |                                     |  |
|   | Day (6 a.m. to 10 p.m.)         |                                     | Night (10 p.m. to 6 a.m.)           |  |
| Residential   | 55                              |                                     | 45                                  |  |

  
Ninal Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



End of Report

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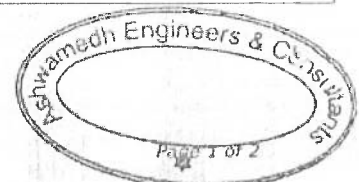
**TEST REPORT**

|                              |  |                               |                         |
|------------------------------|--|-------------------------------|-------------------------|
| Sample ID : W/02/22/0208     | Report No. W/02/22/0208  | Report Date                   | 19/02/2022              |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |                         |
| Sampling done by             | Laboratory   | Sample Description / Type     | Water<br>(Ground Water) |
| Sampling Location            | Surrounding Area   | Date - Sampling               | 11/02/2022              |
| Sample Quantity / Packing    | 2 L x 1 no. plastic can  | Date - Receipt of Sample      | 12/02/2022              |
| Sampling Procedure           | IS 3025 (Part 1):1987, Amds.1 &<br>APHA, 23 <sup>rd</sup> Ed.,2017,1060 B,1-40   | Date - Start of Analysis      | 12/02/2022              |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 18/02/2022              |

| Sr.No.   | Parameter  | Result             | Acceptable Limit as per IS 10500:2012 | Unit    | Method  |
|--|--|--------------------|---------------------------------------|---------|---|
| <b>Chemical Testing; Group: Water</b>  |  |                    |                                       |         |   |
| <b>Organoleptic and Physical Parameters</b>                                      |  |                    |                                       |         |   |
| 1  | pH value   | 8.12               | 6.5-8.5                               | -       | IS 3025 (Part II):1983  |
| 2  | Turbidity  | BLQ<br>(LOQ:0.2)   | Max.1                                 | NTU     | IS 3025 (Part 10):1984  |
| 3  | Electrical Conductivity(at 25°C)                     | 692                | Not specified                         | µmho/cm | IS 3025 (Part 14):1984, RA 2013                               |
| 4  | Total Dissolved Solids                               | 388                | Max.500                               | mg/L    | IS 3025 (Part 16): 1984, RA 2017, Ed.2.(1999-12),Amds.1       |
| <b>General Parameters concerning substances undesirable in excessive amounts</b> |  |                    |                                       |         |   |
| 5  | Ammonical Nitrogen (NH <sub>3</sub> -N)              | BLQ<br>(LOQ:0.1)   | Max. 0.5                              | mg/L    | APHA, 23 <sup>rd</sup> Ed., 4500 NH <sub>3</sub> . F. 4 -119. |
| 6  | Calcium (as Ca)                                      | 77                 | Max.75                                | mg/L    | IS 3025 (Part 40):1991, RA 2014,Ed.1.(2004-02)                |
| 7  | Chloride (as Cl)                                     | 29                 | Max.250                               | mg/L    | IS 3025 (Part 32):1988  |
| 8  | Fluoride (as F)                                      | 0.3                | Max.1                                 | mg/L    | IS 3025 (Part 60):2008  |
| 9  | Iron (as Fe)   | BLQ<br>(LOQ:0.06)  | Max.1                                 | mg/L    | IS 3025 (Part 2): 2004 RA 2014, ISO 11885:1996                |
| 10   | Magnesium (as Mg)                                    | 35                 | Max.30                                | mg/L    | IS 3025 (Part 46): 1994, Amds.2                               |
| 11   | Nitrate (as NO <sub>3</sub> )                        | 21.5               | Max.45                                | mg/L    | APHA, 23 <sup>rd</sup> Ed.,4500-NO <sub>3</sub> , B-4-127     |
| 12   | Sulphate (as SO <sub>4</sub> )                       | 32.6               | Max.200                               | mg/L    | IS 3025 (Part 24): 1986                                       |
| 13   | Total Alkalinity (as CaCO <sub>3</sub> )             | 315                | Max.200                               | mg/L    | IS 3025 (Part 23):1986, Amds.2                                |
| 14   | Total Hardness (as CaCO <sub>3</sub> )               | 336                | Max.200                               | mg/L    | IS 3025 (Part 21): 1983                                       |
| 15   | Alkalinity (Phenolphthalein) (as CaCO <sub>3</sub> ) | BLQ<br>(LOQ:0.5)   | Not specified                         | mg/L    | IS 3025 (Part 23): 1986, RA 2014                              |
| 16   | Calcium Hardness (as CaCO <sub>3</sub> )             | 192                | Not specified                         | mg/L    | IS 3025 (Part 40): 2004                                       |
| 17   | Sodium (as Na)                                       | 20                 | Not specified                         | mg/L    | IS 3025 (Part 45):1993  |
| 18   | Potassium (as K)                                     | 0.52               | Not specified                         | mg/L    | IS 3025 (Part 45): 1993, RA 2014, Amds.1                      |
| 19   | Total Phosphate (as P)                               | BLQ<br>(LOQ:0.1)   | Not specified                         | mg/L    | APHA, 23 <sup>rd</sup> Ed.,2017, 4500 P.E. 4-164              |
| <b>Parameters Concerning Toxic Substances</b>                                    |  |                    |                                       |         |   |
| 20   | Lead (as Pb)   | BLQ<br>(LOQ:0.008) | Max. 0.01                             | mg/L    | IS 3025 (Part 2): 2004, RA 2014/ ISO 11885:1996               |

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification

*B. B. B. B.*

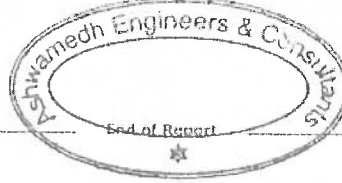


ULR-TC550922000002197F

|                          |                         |             |            |
|--------------------------|-------------------------|-------------|------------|
| Sample ID : W/02/22/0208 | Report No. W/02/22/0208 | Report Date | 18/02/2022 |
|--------------------------|-------------------------|-------------|------------|

*Kavita Shewale*

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**TEST REPORT**

|                              |   |                               |            |
|------------------------------|---|-------------------------------|------------|
| Sample ID : S/02/22/0159     | Report No. S/02/22/0159   | Report Date                   | 18/02/2022 |
| Name and address of Customer | <b>Rohan &amp; Atul Enterprises</b><br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory  | Sample Description / Type     | Soil       |
| Sample Location              | Project site  | Date - Sampling               | 11/02/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag  | Date - Receipt of Sample      | 12/02/2022 |
| Sampling Procedure           | AEC/SAM/37  | Date - Start of Analysis      | 12/02/2022 |
| Order Reference              | W.O. dated 20.12.2021   | Date - Completion of Analysis | 17/02/2022 |

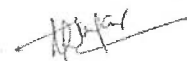
| Sr. No.   | Parameter                      | Result      | Unit       | Method                         |
|---|--------------------------------|-------------|------------|--------------------------------|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b> |                                |             |            |                                |
| 1   | pH (1:5 suspension)            | 8.47        | -          | FAO, Sec. III.1, Page no.65    |
| 2   | Moisture Content               | 22.1        | g/100g (%) | AEC/C/SAP/S-2                  |
| 3   | Water Holding Capacity         | 28.8        | %          | AEC/C/SAP/S-18                 |
| 4   | Cation Exchange Capacity       | 40.5        | meq/100 g  | FAO, Sec. III.7-2, Page no.104 |
| 5   | Total Nitrogen (as N)          | 58.6        | mg/kg      | FAO, Sec. III.4, Page no.78    |
| 6   | Total Potassium (as K)         | 912         | mg/kg      | USEPA/SW846/7000B              |
| 7   | Sodium (as Na)                 | 588         | mg/kg      | USEPA/SW 846/7000B             |
| 8   | Copper (as Cu)                 | 90.7        | mg/kg      | USEPA/SW 846/7000B             |
| 9   | Cadmium (as Cd)                | BLQ (LOQ:5) | mg/kg      | USEPA/SW 846/7000B             |
| 10  | Lead (as Pb)                   | 7.64        | mg/kg      | USEPA/SW 846/7000B             |
| 11  | Nickel (as Ni)                 | 67.1        | mg/kg      | USEPA/SW 846/7000B             |
| 12  | Zinc (as Zn)                   | 16.9        | mg/kg      | USEPA/SW 846/7000B             |
| 13  | Boron (as B)                   | 32.1        | mg/kg      | USEPA/SW 846/6010C             |
| 14  | Chloride (as Cl)               | 53          | mg/kg      | AEC/C/SAP/S-7                  |
| 15  | Sulphate (as SO <sub>4</sub> ) | 474         | mg/kg      | AEC/C/SAP/S-8                  |

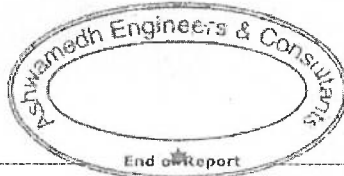
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/02/22/0159 bears two Test Reports - S/02/22/0159 and S/02/22/0159N

  
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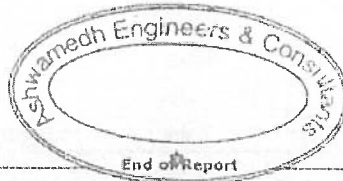


**TEST REPORT**

|                              |   |                               |            |
|------------------------------|---|-------------------------------|------------|
| Sample ID : S/02/22/0159     | Report No. S/02/22/0159N  | Report Date                   | 18/02/2022 |
| Name and address of Customer | <b>Rohan &amp; Atul Enterprises</b><br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory  | Sample Description / Type     | Soil       |
| Sample Location              | Project site  | Date - Sampling               | 11/02/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag  | Date - Receipt of Sample      | 12/02/2022 |
| Sampling Procedure           | AEC/SAM/37  | Date - Start of Analysis      | 12/02/2022 |
| Order Reference              | W.O. dated 20.12.2021   | Date - Completion of Analysis | 17/02/2022 |

| Sr. No.  | Parameter       | Result       | Unit  | Method            |
|--|-----------------|--------------|-------|-------------------|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b>  |                 |              |       |                   |
| 1  | Calcium (as Ca) | <b>8.48</b>  | mg/kg | AEC/C/SAP/S-9     |
| 2  | Mercury (as Hg) | <b>0.052</b> | mg/kg | USEPA/SW 846/747B |
| BLQ: Below Limit of Quantification, LOQ: Limit of Quantification<br>Note: All results are on air dry basis.<br>FAO: Food & Agriculture Organization, United Nations.<br>Sample ID S/02/22/0159 bears two Test Reports - S/02/22/0159 and S/02/22/0159N |                 |              |       |                   |

  
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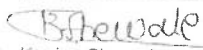
**AMBIENT AIR QUALITY MONITORING REPORT**

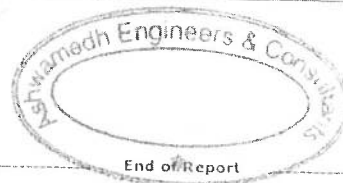
|                              |   |                               |             |
|------------------------------|---|-------------------------------|-------------|
| Sample ID : AA/03/22/0894    | Report No. AA/03/22/0894  | Report Date                   | 02/04/2022  |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra  |                               |             |
| Sampling done by             | Laboratory  | Sample Description / Type     | Ambient Air |
| Sampling Location            | Project Site  | Date - Sampling               | 25/03/2022  |
| Sample Quantity / Packing    | PM <sub>10</sub> : 1 x 1 no. filter paper<br>PM <sub>2.5</sub> : 1 x 1 no. filter paper<br>SO <sub>2</sub> , NO <sub>2</sub> : 30 ml x 2 no. plastic bottle each<br>CO: 1 x 1 no. bladder | Date - Receipt of Sample      | 28/03/2022  |
| Sampling Procedure           | As per method reference   | Date - Start of Analysis      | 28/03/2022  |
| Order Reference              | W.O. dated 20.12.2021   | Date - Completion of Analysis | 02/04/2022  |

**Meteorological Data / Environmental Conditions**

| Average Wind Velocity<br>7 km/h                                | Wind Direction<br>E | Relative Humidity<br>(Max./Min.): 50/45% | Temperature<br>(Max./Min.): 31/26°C                      | Duration of Survey<br>8 h |
|--|---------------------|--|--|---------------------------|
| Parameter  | Result              | Unit                                     | Method   |                           |
| <b>Chemical Testing; Group: Atmospheric Pollution</b>          |                     |  |  |                           |
| Sulphur Dioxide (SO <sub>2</sub> )                             | BLQ (LOQ:4)         | µg/m <sup>3</sup>                        | IS 5182 (Part 2): 2001                                   |                           |
| Nitrogen Dioxide (NO <sub>2</sub> )                            | 16.8                | µg/m <sup>3</sup>                        | IS 5182 (Part 6): 2006                                   |                           |
| Particulate Matter (size less than 10 µm) or PM <sub>10</sub>  | 32                  | µg/m <sup>3</sup>                        | IS 5182 (Part 23): 2006                                  |                           |
| Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub> | 9                   | µg/m <sup>3</sup>                        | CPCB Guideline, Volume I, 36/2012-13, Page No 15, 2013   |                           |
| Carbon Monoxide (CO)   | 0.76                | mg/m <sup>3</sup>                        | CPCB Guidelines, Volume II, 37/2012-13, Page no 16, 2013 |                           |

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

  
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End of Report

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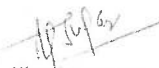


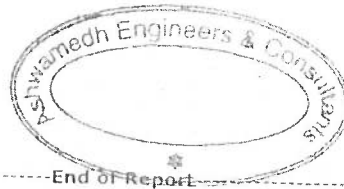


### NOISE LEVEL MEASUREMENT REPORT

|                              |   |                          |               |
|------------------------------|---|--------------------------|---------------|
| Sample ID: N/03/22/0917      | Report No: N/03/22/0917   | Report Date              | 27/03/2022    |
| Name and Address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At 43/3, 43/6 & 44,<br>Hinjewadi, Tal. Mulshi,<br>Dist. Pune |                          |               |
| Monitoring Done By           | Laboratory  | Sample Description /Type | Ambient Noise |
| Order Reference              | As Per Work Order dated on<br>20.12.2021  | Date of Monitoring       | 23/03/2022    |

| Chemical Testing; Group: Atmospheric Pollution  |                                 |  |  |   |
|---|---------------------------------|--|--|---|
| Location  | Time (h)                        | Results<br>Noise Level dB (A)<br>Fast Response | Results<br>Noise Level dB (A)<br>Slow Response | Method  |
| A. Near Project Site  | 10:00                           | 51.0   | 50.5   | CPCB Protocol for Ambient Level<br>Noise Monitoring, July<br>AEC/C/SAP/SAN/356/36 Issue<br>no 4 Issue date 01/04/2018 |
|   | 22:15                           | 39.4   | 38.7   |   |
| Limits  |                                 |  |  |   |
| As Per the Noise Pollution (Regulation & Control) Rules, 2000<br>(Rules 3 (1) and 4(1)) |                                 |  |  |   |
| Area Type   | Limits in dB (A) weighted scale |  |  |   |
|   | Day (6 a.m. to 10 p.m.)         |  | Night (10 p.m. to 6 a.m.)                      |   |
| Residential   | 55                              |  | 45   |   |

  
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Technical Manager (Chemical)  
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End of Report

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ULR-TC55092200005007F

**TEST REPORT**

|                              |  |                               |                         |
|------------------------------|--|-------------------------------|-------------------------|
| Sample ID : W/03/22/0625     | Report No. W/03/22/0625  | Report Date                   | 06/04/2022              |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |                         |
| Sampling done by             | Laboratory   | Sample Description / Type     | Water<br>(Ground Water) |
| Sampling Location            | Surrounding Area   | Date - Sampling               | 26/03/2022              |
| Sample Quantity / Packing    | 2 L x 1 no. plastic can  | Date - Receipt of Sample      | 28/03/2022              |
| Sampling Procedure           | IS 3025 (Part 1):1987, Amds.1 &<br>APHA, 23rd Ed.,2017,1060 B,1-40   | Date - Start of Analysis      | 28/03/2022              |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 05/04/2022              |

| Sr.No.                                    | Parameter  | Result             | Acceptable Limit as per IS 10500:2012 | Unit    | Method   |
|---|--|--------------------|---------------------------------------|---------|--|
| <b>Chemical Testing; Group: Water</b>     |  |                    |                                       |         |  |
| <b>Physical &amp; Chemical Parameters</b> |  |                    |                                       |         |  |
| 1   | pH value   | 7.80               | 6.5-8.5                               | -       | IS 3025 (Part II) 1983                             |
| 2   | Turbidity  | BLQ<br>(LOQ:0.2)   | Max. 1                                | NTU     | IS 3025 (Part II) 1984                             |
| 3   | Total Dissolved Solids                             | 338                | Max. 500                              | mg/L    | IS 3025 (Part II) 1984                             |
| 4   | Electrical Conductivity (at 25°C)                  | 605                | Not specified                         | µmho/cm | IS 3025 (Part II) 1984                             |
| 5   | Ammonical Nitrogen (as NH <sub>3</sub> -N)         | BLQ<br>(LOQ:0.1)   | Max. 0.5                              | mg/L    | APHA, 23rd Ed. 4500 NH <sub>3</sub> 1.4-193        |
| 6   | Calcium (as Ca)                                    | 54.5               | Max. 75                               | mg/L    | IS 3025 (Part II) 1991                             |
| 7   | Chloride (as Cl)                                   | 33.5               | Max. 250                              | mg/L    | IS 3025 (Part II) 1988                             |
| 8   | Fluoride (as F)                                    | 0.5                | Max. 1.0                              | mg/L    | IS 3025 (Part II) 2008                             |
| 9   | Iron (as Fe)                                       | BLQ<br>(LOQ:0.06)  | Max. 1                                | mg/L    | IS 3025 (Part II) 2019/ISO 18885:2007              |
| 10  | Magnesium (as Mg)                                  | 38                 | Max. 30                               | mg/L    | IS 3025 (Part II) 1994                             |
| 11  | Nitrate (as NO <sub>3</sub> )                      | 1.93               | Max. 45                               | mg/L    | APHA, 23rd Ed., 2017, 4500 NO <sub>3</sub> B-4-127 |
| 12  | Sulphate (as SO <sub>4</sub> )                     | 27.8               | Max. 200                              | mg/L    | IS 3025 (Part II) 1986                             |
| 13  | Total Phosphate (as P)                             | BLQ<br>(LOQ:0.1)   | Not specified                         | mg/L    | APHA, 23rd Ed., 4500 P.E.4-161                     |
| 14  | Phenolphthalein Alkalinity (as CaCO <sub>3</sub> ) | 10                 | Not specified                         | mg/L    | IS 3025 (Part II) 1986                             |
| 15  | Total Alkalinity (as CaCO <sub>3</sub> )           | 290                | Max. 200                              | mg/L    | IS 3025 (Part II) 1986                             |
| 16  | Total Hardness (as CaCO <sub>3</sub> )             | 292                | Max. 200                              | mg/L    | IS 3025 (Part II) 1983                             |
| 17  | Calcium Hardness (as CaCO <sub>3</sub> )           | 136                | Not specified                         | mg/L    | IS 3025 (Part II) 2004                             |
| 18  | Sodium (as Na)                                     | 13.6               | Not specified                         | mg/L    | IS 3025 (Part II) 1993                             |
| 19  | Potassium (as K)                                   | 0.35               | Not specified                         | mg/L    | IS 3025 (Part II) 1993                             |
| 20  | Lead (as Pb)                                       | BLQ<br>(LOQ:0.008) | Max. 0.01                             | mg/L    | IS 3025 (Part II) 2019/ISO 18885:2007              |

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

*K. Shewale*

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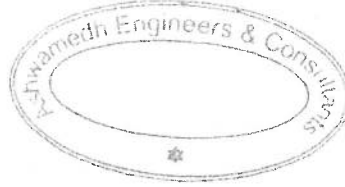
Sample ID: W/03/22/0625

Report No. W/03/22/0625

Report Date

06/04/2022

*Bhendale*



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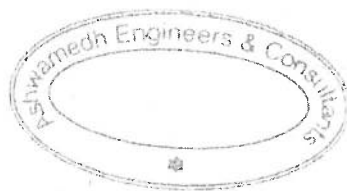
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**TEST REPORT**

|                              |  |                               |                         |
|------------------------------|--|-------------------------------|-------------------------|
| Sample ID : W/04/22/0309     | Report No. W/04/22/0309  | Report Date                   | 23/04/2022              |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |                         |
| Sampling done by             | Laboratory   | Sample Description / Type     | Water<br>(Ground Water) |
| Sampling Location            | Surrounding Area   | Date - Sampling               | 16/04/2022              |
| Sample Quantity / Packing    | 2 L x 1 no. plastic can  | Date - Receipt of Sample      | 19/04/2022              |
| Sampling Procedure           | IS 3025 (Part 1):1987, Amds.1 &<br>APHA, 23rd Ed.,2017,1060 B,1-40   | Date - Start of Analysis      | 19/04/2022              |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 22/04/2022              |


| Sr.No.                         | Parameter  | Result             | Acceptable Limit as per IS 10500:2012 | Unit    | Method  |
|--------------------------------|--|--------------------|---------------------------------------|---------|---|
| Chemical Testing; Group: Water |  |                    |                                       |         |   |
| Physical & Chemical Parameters |  |                    |                                       |         |   |
| 1                              | pH value   | 7.50               | 6.5-8.5                               | -       | IS 3025 (Part II):1983                        |
| 2                              | Turbidity  | BLQ<br>(LOQ:0.2)   | Max. 1                                | NTU     | IS 3025 (Part II):1984                        |
| 3                              | Total Dissolved Solids                             | 360                | Max. 500                              | mg/L    | IS 3025 (Part II):1984                        |
| 4                              | Electrical Conductivity (at 25°C)                  | 649                | Not specified                         | µmho/cm | IS 3025 (Part II):1984                        |
| 5                              | Ammonical Nitrogen (as NH <sub>3</sub> -N)         | BLQ<br>(LOQ:0.1)   | Not specified                         | mg/L    | APHA, 23rd Ed., 4500 NH <sub>3</sub> F, 4-119 |
| 6                              | Calcium (as Ca)                                    | 60.1               | Max. 75                               | mg/L    | IS 3025 (Part II):1984                        |
| 7                              | Chloride (as Cl)                                   | 36.5               | Max. 250                              | mg/L    | IS 3025 (Part II):1984                        |
| 8                              | Fluoride (as F)                                    | 0.4                | Max.1.0                               | mg/L    | IS 3025 (Part II):1984                        |
| 9                              | Iron (as Fe)                                       | BLQ<br>(LOQ:0.06)  | Max.1                                 | mg/L    | IS 3025 (Part II):1984/ISO 11885:2007         |
| 10                             | Magnesium (as Mg)                                  | 28.7               | Max. 30                               | mg/L    | IS 3025 (Part II):1984                        |
| 11                             | Nitrate (as NO <sub>3</sub> )                      | 2.82               | Max.45                                | mg/L    | APHA, 23rd Ed., 4500-NO <sub>3</sub> B 4-127  |
| 12                             | Sulphate (as SO <sub>4</sub> )                     | 32.3               | Max. 200                              | mg/L    | IS 3025 (Part II):1984                        |
| 13                             | Total Phosphate (as P)                             | BLQ<br>(LOQ:0.1)   | Not specified                         | mg/L    | APHA, 23rd Ed., 4500, P.E. 4-164              |
| 14                             | Phenolphthalein Alkalinity (as CaCO <sub>3</sub> ) | 25                 | Not specified                         | mg/L    | IS 3025 (Part II):1984                        |
| 15                             | Total Alkalinity (as CaCO <sub>3</sub> )           | 245                | Max. 200                              | mg/L    | IS 3025 (Part II):1984                        |
| 16                             | Total Hardness (as CaCO <sub>3</sub> )             | 268                | Max. 200                              | mg/L    | IS 3025 (Part II):1984                        |
| 17                             | Calcium Hardness (as CaCO <sub>3</sub> )           | 150                | Not specified                         | mg/L    | IS 3025 (Part II):1984                        |
| 18                             | Sodium (as Na)                                     | 13.7               | Not specified                         | mg/L    | IS 3025 (Part II):1984                        |
| 19                             | Potassium (as K)                                   | 0.21               | Not specified                         | mg/L    | IS 3025 (Part II):1984                        |
| 20                             | Lead (as Pb)                                       | BLQ<br>(LOQ:0.008) | Max.0.01                              | mg/L    | IS 3025 (Part II):1984/ISO 11885:2007         |

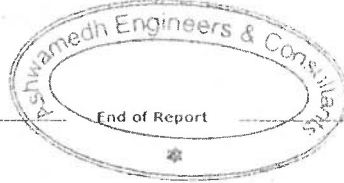
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification



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|                          |                         |             |            |
|--------------------------|-------------------------|-------------|------------|
| Sample ID : W/04/22/0309 | Report No. W/04/22/0309 | Report Date | 23/04/2022 |
|--------------------------|-------------------------|-------------|------------|

  
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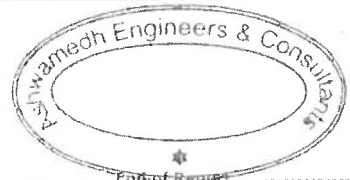


**TEST REPORT**

|                              |  |                               |            |
|------------------------------|--|-------------------------------|------------|
| Sample ID : S/03/22/0373     | Report No. S/03/22/0373  | Report Date                   | 02/04/2022 |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory   | Sample Description / Type     | Soil       |
| Sample Location              | Project site   | Date - Sampling               | 26/03/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag   | Date - Receipt of Sample      | 28/03/2022 |
| Sampling Procedure           | AEC/SAM/37   | Date - Start of Analysis      | 28/03/2022 |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 01/04/2022 |

| Sr. No.  | Parameter                      | Result       | Unit        | Method   |
|--|--------------------------------|--------------|-------------|--|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b>  |                                |              |             |  |
| 1  | pH (1:5 suspension)            | 8.07         | -           | FAO, Sec. III, 1, Page no 65   |
| 2  | Moisture Content               | 7.37         | % by Weight | Dept. of Agriculture & Co-operation, Ministry of Agriculture, Govt. of India, Jan 2011 |
| 3  | Water Holding Capacity         | 32           | %           | AEC/C/SAP/S-18   |
| 4  | Cation Exchange Capacity       | 24.7         | meq/100g    | FAO, Sec. III, 2, Page no 104  |
| 5  | Total Nitrogen (as N)          | 60.1         | mg/kg       | FAO, Sec. III, 4, Page No. 78  |
| 6  | Total Potassium (as K)         | 884          | mg/kg       | USEPA/SW 846/7000B   |
| 7  | Sodium (as Na)                 | 1281         | mg/kg       | USEPA/SW 846/7000B   |
| 8  | Copper (as Cu)                 | 84.2         | mg/kg       | USEPA/SW 846/7000B   |
| 9  | Cadmium (as Cd)                | BLQ (LOQ:5)  | mg/kg       | USEPA/SW 846/7000B   |
| 10   | Lead (as Pb)                   | 52.9         | mg/kg       | USEPA/SW 846/7000B   |
| 11   | Nickel (as Ni)                 | 38.9         | mg/kg       | USEPA/SW 846/7000B   |
| 12   | Zinc (as Zn)                   | 191          | mg/kg       | USEPA/SW 846/7000B   |
| 13   | Boron (as B)                   | 16.5         | mg/kg       | USEPA/SW 846/6010 C  |
| 14   | Chloride (as Cl)               | BLQ (LOQ:50) | mg/kg       | AEC/C/SAP/S-7  |
| 15   | Sulphate (as SO <sub>4</sub> ) | 1435         | mg/kg       | USEPA/SW 846/8008  |
| BLQ: Below Limit of Quantification, LOQ: Limit of Quantification<br>Note: All results are on air dry basis.<br>FAO: Food & Agriculture Organization, United Nations.<br>Sample ID S/03/22/0373 bears two Test Reports - S/03/22/0373 and S/03/22/0373N |                                |              |             |  |

  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



End of Report


- Note:
- The result listed refer only to the tested sample(s) and applicable parameter(s).
  - This report is not to be reproduced except in full, without written approval of the laboratory.
  - In case sampling is not done by laboratory, the results apply to the sample as received.
  - There are no additions to, deviations or exclusions from the method.

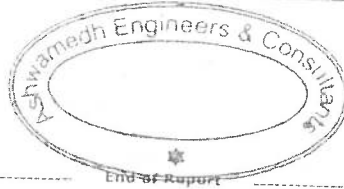


**TEST REPORT**

|                              |  |                               |            |
|------------------------------|--|-------------------------------|------------|
| Sample ID: S/03/22/0373      | Report No. S/03/22/0373N   | Report Date                   | 02/04/2022 |
| Name and address of Customer | Rohan & Atul Enterprises<br>Hinjewadi 43 & 44<br>At S. No. 43/3, 43/6 & 44,<br>Village Hinjewadi, Tal. Mulshi, Dist. Pune, Maharashtra |                               |            |
| Sampling done by             | Laboratory   | Sample Description / Type     | Soil       |
| Sample Location              | Project site   | Date - Sampling               | 26/03/2022 |
| Sample Quantity / Packing    | 1 kg x 1 no. plastic bag   | Date - Receipt of Sample      | 28/03/2022 |
| Sampling Procedure           | AEC/SAM/37   | Date - Start of Analysis      | 28/03/2022 |
| Order Reference              | W.O. dated 20.12.2021  | Date - Completion of Analysis | 01/04/2022 |

| Sr. No.  | Parameter       | Result | Unit  | Method             |
|--|-----------------|--------|-------|--------------------|
| <b>Chemical Testing; Group: Pollution &amp; Environment</b>  |                 |        |       |                    |
| 1  | Calcium (as Ca) | 2.50   | %     | USEPA/SW 846/GOI/C |
| 2  | Mercury (as Hg) | 0.339  | mg/kg | USEPA/SW 846/GOI/C |
| BLQ: Below Limit of Quantification, LOQ: Limit of Quantification<br>Note: All results are on air dry basis.<br>FAO: Food & Agriculture Organization, United Nations.<br>Sample ID S/03/22/0373 bears two Test Reports - S/03/22/0373 and S/03/22/0373N |                 |        |       |                    |

  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



**Note:**

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A DIVISION OF ROHAN GROUP

1 Modibaug Commercial Building, CTS No. 2254, Bhamburde, Ganeshkhind Road,  
Near Agriculture College, Shivaji Nagar, Pune - 411016. URL: www.rohanbuilders.com  
Phone : +91 20 71017101 Email : housing@rohanbuilders.com

Rohan/2023/0435

Date: 21.03.2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that, till date there are no pending litigation before any Civil, Criminal or any Court of law against Rohan and Atul Enterprises (AOP) for the residential project "ROHAN NIDITA" property situated at S.No. 43(P), 43(6) and 44, Hinjewadi, Tal. Mulshi, Pune.

**For M/s Rohan & Atul Enterprises**

Through Authorized signatory

Ashwin Suhas Lunkad



Company stamp



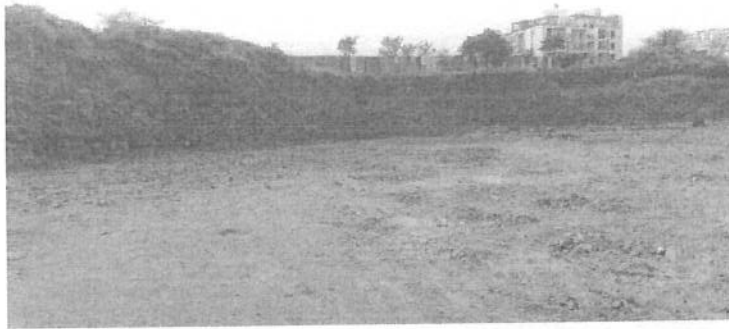
## 11 Costs of EMP

| Sr. No. | Details   | Capital cost (INR) Lakh | O & M Cost (INR p.a.) Lakh |
|---------|---|-------------------------|----------------------------|
| 1.      | STP   | 50.00                   | 10.00                      |
| 2.      | Rain Water Harvesting   | 9.00                    | 0.50                       |
| 3.      | Storm water networking  | 2.50                    | 0.25                       |
| 4.      | Solid waste Management  | 12.00                   | 3.00                       |
| 5.      | Landscape including   | 6.00                    | 0.50                       |
| 6.      | Swimming pool   | 4.00                    | 0.20                       |
| 7.      | Energy saving through solar water heater, solar PV. Energy efficient equipments | 45.00                   | 5.00                       |
| 8.      | Environmental Monitoring  | 1.50                    | 2.80                       |
| 9.      | Safety training & awareness   | 5.00                    | 1.00                       |
| 10.     | Total   | 135.00                  | 20.25                      |
| 11.     | DMP Cost  | 63.00                   | 5.50                       |
| 12.     | Grand Total   | 198.00                  | 25.75                      |

## Monitoring plan at operation phase

| Sr. No. | Details                | Parameters  | Frequency     | Cost INR /A. |
|---------|------------------------|---|---------------|--------------|
| 1.      | Ambient Air            | PM10, PM2.5, SO <sub>2</sub> , NOx  | Six monthly   | 36,000       |
| 2.      | DG stack               | TS, SO <sub>2</sub> , NOx   | Six monthly   | 36,000       |
| 3.      | Noise                  | Ambient Noise level   | Six monthly   | 14,000       |
| 4.      | STP waste water        | pH, TDS, TSS, COD, BOD, Oil & Grease, Residual chlorine, Ammonical nitrogen Phosphorus, Total nitrogen Coliforms                                      | Quarterly     | 16,000       |
| 5.      | Manure from OWC        | pH, C:N ratio, organic carbon, Total nitrogen, Total Phosphates, Total Potassium  | Yearly        | 4,000        |
| 6.      | Env Audit              | Form V  | Yearly        | 70,000       |
| 7.      | Six monthly compliance | -   | Yearly        | 80,000       |
| 8.      | Swimming Pool          | pH, odour, Clarity, Total alkalinity, Aluminium, Total residual Chlorine at inlet & outlet, Total hardness, Sulphate, Oxygen absorbed in 4 hr at 27°C | Twice a month | 24,000       |
| 9.      | Total                  |   |               | 2,80,000     |

Site Photos Residential Project of M/.S. Rohan Atul Enterprises



Date: 12/12/2020

To,  
M/s. Rohan & Atul Enterprises,  
1 Modibaug, Commercial Building, Ganeshkhind Road,  
Shivajinagar, Pune-411016

Sub: - Facilitating Solid Waste Management at your Commercial/Residential "**Residential Construction Project**" situated at S.No-43/3, 43/6, 44, Hinjewadi Tal. - Mulshi, Dist-Pune.

Dear Sir,

With reference to above subject we intend to facilitate the management of solid waste at your proposed project.

SWaCH Seva Sahakari Sanstha Maryadit, Pune (SWaCH) is India's first wholly-owned cooperative of self-employed waste pickers or waste collectors and other urban poor. It is an autonomous enterprise that ensures provision of front-end waste management services to the citizens of Pune through self-employed informal waste-pickers.

We will facilitate the collection of segregated dry waste (recyclables and non-recyclables: 303 Kg/day, E Waste--825 Kg/Year) from your registered project "**Residential Construction Project**" situated at S.No-43/3, 43/6, 44, Hinjewadi Tal. - Mulshi, Dist-Pune. through waste-picker members of SWaCH after completion of project.

Further, you have also confirmed that you have acquired the necessary equipment and infrastructure (OWC:455 Kg/Day) for management of wet waste at source. If necessary, we can assist in facilitating in-situ wet waste processing using existing infrastructure and equipment through waste-pickers within the premises of your registered project through such affiliates and subject to such terms and conditions as may be applicable. We ensure collection of E-waste from the site at a cost mutually decided. All commercial terms must be negotiated with waste-pickers prior to commencement of work.

Assuring you the best of our services.

Thanking You,



For SWaCH Pune Seva Sahakari Sanstha Ltd

Authorized Signatory

12/12/2020



SWaCH Pune Seva Sahakari Sanstha Maryadit is an autonomous cooperative enterprise of waste-pickers authorised by Pune Municipal Corporation to provide door-step waste collection service across entire Pune city.

3<sup>rd</sup> Floor, Old Tilak Road Ward Office, Above SBI (Tilak Rd Branch), Pune-411042

(Reg No-PNA (1) GNL/O/1321/07-08)

Helpline: 9765 999 500 E-Mail: swachcoop@gmail.com, Website: www.swachcoop.com



महाराष्ट्र MAHARASHTRA

2020

AX 843869

अनु.क्र. 10681 - 2 DEC 2020 500  
 वस्तुसंग्रह प्रकार Agreement  
 परत नोंदणी करणार आहेत का? होय/नाही.  
 मितिकालीने कार्य  
 गुप्तता विवक्षित वेळापत्रके Rohan & Atul Enterprises 02 NOV 2020  
 पत्ता 1, Modibaug, Ganeshkhind Rd, Pune 411016  
 पुरवठागार/संस्था/संस्थान Swachh Pune Seva Saha, Sanshodhan Marg, Shivajinagar, Pune  
 हस्ताक्षरकर्त्याचे नाव व पत्ता Mahesh Sawant, Maryad, Shivajinagar, Pune  
 संपर्क क्रमांक/फोन नंबर Same  
 पुरवठागार/संस्था/संस्थानची मूर्ती



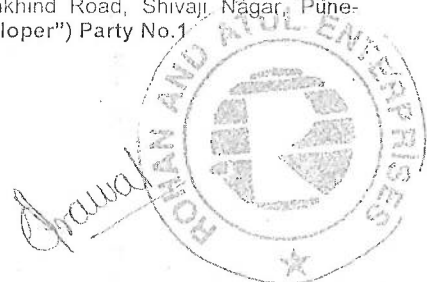
**AGREEMENT**

This Agreement ("Agreement") is entered into as on 11/12/2020

Between

M/s. Rohan & Atul Enterprises, a registered Partnership Firm having its registered office at 1, Modibaug, Commercial Building, Ganeshkhind Road, Shivaji Nagar, Pune-411016 Pune, (herein after referred to as the "Developer") Party No.1

*AS Vachetti*



या कराराने दोन किंवा दोनपेक्षा जास्त व्यक्तींमध्ये सातत्याने राहण्याबाबतचे  
 गुप्ततेचे करार करण्याबाबतचे किंवा यातून कोणत्याही प्रकारचा नुकसान होऊ नये असे  
 उद्देशाने केलेले आहे.

AND

SWaCH Pune Seva Sahakari Sanstha Maryadi, an autonomous fully owned cooperative of waste pickers in Pune which has its administrative office at 3rd Floor, Old Tilak Road Ward Office, Above SBI (Tilak Road Branch), Pune 411042 (herein after referred to as the "Party No. 2"), Party No.2

WHEREAS, the Developer/Party No.1 is developing/has developed a project under name and style of "Residential construction Project situated at S. No 43/3, 43/6, 44, Hinjewadi Tal. : Mulshi, Dist: Pune, (herein after referred to as the "said Site").

AND WHEREAS, the Developer requires professional services of a suitable agency to collect, recycle, and/or dispose of all the non-bio-degradable wastes, ("the said Wastes") resulting from the said Site on timely basis;

AND WHEREAS, Party No. 2 has assured the Developer that it can ensure the provision of such services through waste-picker members of the cooperative in accordance with local, state and central regulations;

AND WHEREAS relying on the assurances and representations made by Party No. 2, the Developer has requested the Party No. 2 to facilitate the collection, treating, disposing etc. of the dry and non-recyclable waste through its members for a period of 12 months from the date of execution hereof, which is accepted by the Party No. 2 subject to the terms and conditions mentioned hereinafter.

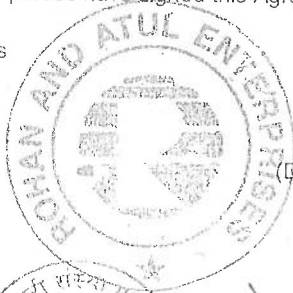
NOW THIS AGREEMENT WITNESSETH HEREAFTER

1. The Party No. 2 hereby agrees to ensure the collection through waste-pickers of non-bio-degradable waste (Quantity-303 Kg/Day, E waste - 825 Kg/Year) resulting from the said Site, for a period of 12 (twelve) months from the date of execution hereof, for such user-fees which shall be mutually agreed upon at time of commencement of service with waste-pickers. We ensure collection of E-waste from the site at a cost mutually decided.
2. This agreement may be renewed for a subsequent term of 12 months or more by mutual consent in writing based on such consideration as may be agreed at the time of renewal. The parties may amend this agreement in writing.
3. In consideration of receiving services of waste-collection and waste-management, the Developer agrees to pay such user fees to waste-pickers as maybe finalized with them at time of commencement of services directly or through such facilitation mechanisms as may be mutually agreed. The Developer shall ensure the timely payment of user fees to waste-pickers and /or shall ensure that the person/ entity in charge of administration of the site shall make such timely payments in case of transfer of administration / ownership to a CHS, Apartment Condominium etc. The Developer may be substituted as party to this Agreement by such person/entity on mutual consent in writing upon transfer of rights / administration of the Site.
4. Notices: Any notice required or permitted to be given under this Agreement shall be in writing, shall be deemed duly given if delivered in person or if sent by registered Post, return receipt requested, on the address stated hereinabove.
5. It is agreed by and between the Parties that either party shall be entitled to terminate this agreement by giving 30 days written notice to the other party. However, the services received from waste-pickers, before the cancellation of this contract, shall be settled in monetary terms with them forthwith.
6. All disputes shall be referred to sole arbitration of the chief executive officer or director of the Party No. 2. Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996. Arbitration shall take place in Pune, Maharashtra, India in English.
7. This agreement is subject to Indian Laws and any dispute arising out of the same shall be referred to the courts of appropriate jurisdiction within the city limits of Pune (Maharashtra, India) only.

IN WITNESS WHEREOF, the parties have signed this Agreement on the day and year first above written.

M/s. Rohan & Atul Enterprises

Through -Mr. Nikhil Agarwal



(Developer)

SWaCH Cooperative,

Through: M. Chavhan



Agarwal  
(Party No. 2)



# ग्रामपंचायत हिंजवडी

(राजीव गांधी इन्फोटेक पार्क)

ता. मुळशी, जि. पुणे, फोन : २२९३३०२८

Email : grampanchayat.hinjawadi@gmail.com

Website : www.grampanchayat.hinjawadi.in

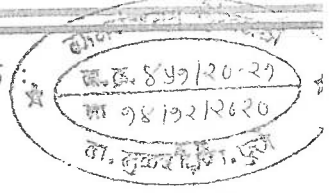


टी. व्ही. रायकर  
(ग्रामविकास अधिकारी)

एस. डी. जाधव  
(प्रशासक)

संदर्भ क्र. :

दिनांक :





## ना हरकत प्रमाणपत्र

ग्रामपंचायत हिंजवडी ता.मुळशी जि.पुणे यांसकडून नाहरकत प्रमाणपत्र देण्यात येते कि, ROHAN & ATUL ENTERPRISES यांनी केलेल्या आ.क्र.४२४/२०-२१ दि.२७.१०.२०२० रोजीच्या अर्जांनुसार ग्रामपंचायत प्रशासकीय कामकाज टिपणी व आदेश क्र.१३६ दिनांक ०४/१२/२०२० अन्वये आपले मौजे हिंजवडी येथील सर्व्हे नं ४३/३, ४३/६ व ४४ यावर बांधकाम करण्यात येणाऱ्या गृहप्रकल्प (रहिवासी) इमारतीला पिण्याचे पाणी पुरवठा २४० घन मीटर होण्यासाठी ना हरकत प्रमाणपत्राची मागणी केली आहे.

त्यानुसार आपणांस कळविण्यात येते कि, आपले वरील नमूद मिळकतीवरील गृहप्रकल्प (रहिवासी) इमारतीचे बांधकाम पूर्ण झाले नंतर त्याची ग्रामपंचायत दफ्तरी नोंद झाले नंतर मौजे हिंजवडी गावाच्या पाणी पुरवठा योजने द्वारे उपलब्धतेनुसार पिण्याचे पाणी दिले जाईल याबाबत काही तक्रार उदभवल्यास ती तुम्ही स्वतःने सोडवायची आहे.

सबब मागणीवरून दाखला देण्यात आला असे.

दि.०४.१२.२०२०

  
  
 ग्राम विकास अधिकारी - प्रशासक  
 ग्रामपंचायत हिंजवडी, ता. मुळशी, जि. पुणे

# महाराष्ट्र टाइम्स

पुणे | गुरुवार, १६ मार्च २०२३ | पाने १८ (पुणे धारामह) | प्रारंभ आणखी ११६.००

२

महाराष्ट्र टाइम्स | पुणे | गुरुवार, १६ मार्च २०२३ | mtedit@timesgroup.com

## जाहीर नोटीस

सर्वाना सुचित करण्यात येते की मे. रोहन अॅन्ड अतुल एन्टरप्रायजेस यांच्या सव्हे नं. ४३/३, ४३/६, ४४ गाव मौजे हिंजवडी, ता. मुळशी, जि. पुणे, महाराष्ट्र येथील नवीन बांधकाम प्रकल्पास भारत सरकार, पर्यावरण, वन आणि हवामान बदल मंत्रालय (राज्य पर्यावरण प्रभाव मुल्यांकन प्राधिकरण महाराष्ट्र द्वारे जारी केलेले) यांचेकडील दिनांक ०३/०३/२०२३ चे EC ओळख क्र. EC23B038MH176123 व फाईल क्र. SIA/MH/MIS/179486/2020, अन्वये पर्यावरण मंजूरी दिलेली आहे. सदर मंजूरीची प्रत राज्य पर्यावरण प्रभाव मुल्यांकन प्राधिकरण महाराष्ट्र यांचे पुढील संकेतस्थळावर उपलब्ध आहे.

[www.environmentclearance.nic.in](http://www.environmentclearance.nic.in)



THE ECONOMIC TIMES | PUNE  
THURSDAY | 16 MARCH 2023 | WWW.ECONOMICTIMES.COM

## NOTICE

This is to inform the public at large that **M/s. Rohan and Atul Enterprises** have been accorded with the Environmental Clearance by Government of India, Ministry of Environment, Forest and climate Change (Issued by the State Environment Impact Assessment Authority (SEIAA), Maharashtra) for the Proposed Construction Project Located at S. No. 43/3, 43/6, 44 of Village - Hinjewadi, Tal - Mulshi, Pune, Maharashtra vide **EC Identification Number EC23B038MH176123** along with **File No. SIA/MH/MIS/179486/2020**, Dated 03<sup>rd</sup> March 2023. The copy of letter is available on the website of State Environment Impact Assessment Authority, Maharashtra: [www.environmentclearance.nic.in](http://www.environmentclearance.nic.in)



A DIVISION OF ROHAN GROUP

1 Modibaug Commercial Building, CTS No. 2254, Bhamburde, Ganeshkhind Road,  
Near Agriculture College, Shivaji Nagar, Pune - 411016. URL: www.rohanbuilders.com  
Phone : +91 20 71017101 Email : housing@rohanbuilders.com

Rohan/2023/0437

Date: - 17.03.2023

To,

**The Regional Officer,**

Ministry of Environment, Forest and Climate Change,

Regional Office (WCZ),

Nagpur.

**Subject :-** Clarification on Corporate Environment Responsibility (CER)

**Reference:-** Project Rohan Nidita, located at 43/3, 43/6 & 44 at Hinjewadi Tal-  
Mulshi, Pune, Maharashtra, by M/S Rohan & Atul Enterprises


Respected Sir,

With reference to the above subject matter for our project we would like to state that, the Corporate Environment Responsibility (CER) activities will be proposed and included in the Environment Management Plan (EMP) as per the circular of Ministry of Environment, Forest and Climate Change Impact Assessment Division (MoEF&CC) dated 30.09.2020

Thanking You

For M/s **Rohan & Atul Enterprises**

Through Authorized signatory

  
Ashwin Suhas Lunkad



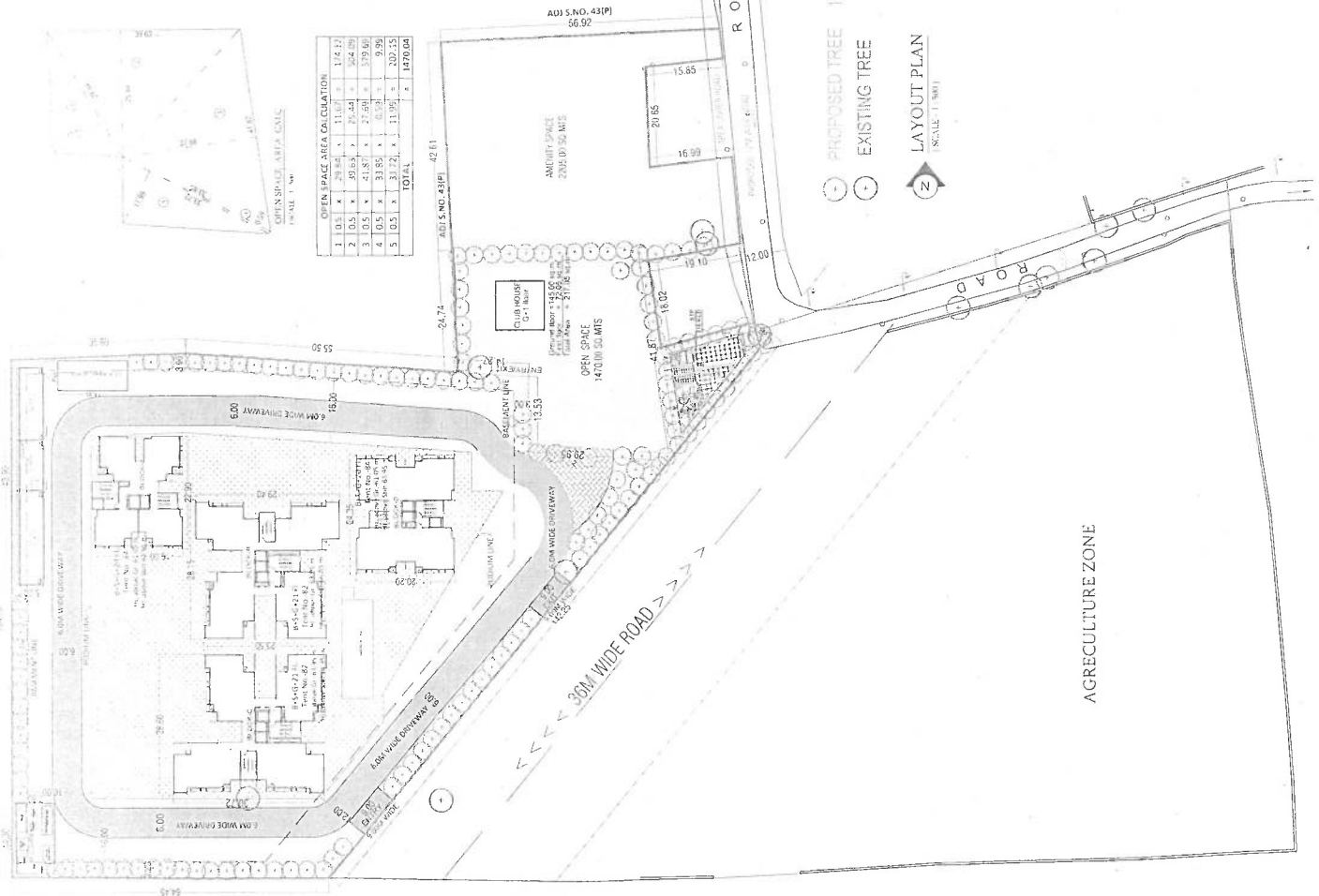
LANDSCAPE PLAN

| Sr. No. | Name of the plant                            | Common Name | No. |
|---------|--|-------------|-----|
| 1       | <i>Albizia purpurifera</i>                   | Calliandra  | 9   |
| 2       | <i>Dalbergia latifolia</i>                   | Acacia      | 10  |
| 3       | <i>Sesuvia</i>                               | Chickoo     | 5   |
| 4       | <i>Sporobolus</i>                            | Sidrasipok  | 7   |
| 5       | <i>Ficus glomerata</i>                       | Limbar      | 10  |
| 6       | <i>Leptostroma reginae</i> / <i>Speciosa</i> | Tamanan     | 10  |
| 7       | <i>Plumeria rubra</i>                        | Pink Champa | 12  |
| 8       | <i>Phyllanthus emblica</i>                   | Awalla      | 13  |
| 10      | <i>Tamarindus indica</i>                     | Chintchi    | 6   |
| 11      | <i>Annona reticulata</i>                     | Ramfali     | 8   |
| 12      | <i>Mangifera indica</i>                      | Mango       | 5   |
| 13      | <i>Tectona grandis</i>                       | Teak        | 6   |
| 14      | <i>Ziziphus mauritiana</i>                   | Be'         | 8   |
| 15      | <i>Jack Fruit</i>                            | Fanas       | 6   |
| 16      | <i>Dalbergia sissoo</i>                      | Sisu        | 5   |
| 17      | <i>Bauhinia racemosa</i>                     | Apia        | 9   |
| 18      | <i>Azizoa labbeck</i>                        | Shriah      | 9   |
| 19      | <i>Azadirachta indica</i>                    | Neem        | 8   |
| 20      | <i>Mimus opselengi</i>                       | Bakul       | 8   |
| 21      | Total  |             | 154 |

LIST OF EXISTING TREE

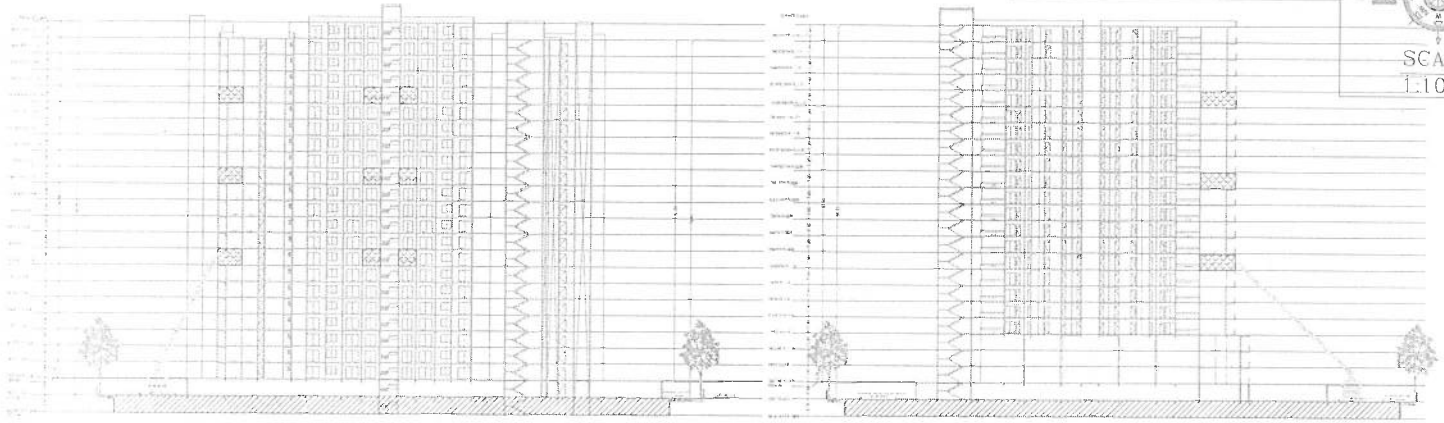
| S.NO.       | NAME OF TREE | COMMON NAME         | QUANTITY | REMARK    |
|-------------|--------------|---------------------|----------|-----------|
| 1           | NEEM         | AZADIRACHTA INDICA  | 9        | ALL TREES |
| 2           | APTA         | BAUHINIA RACEMOSA   | 1        | ARE       |
| 3           | BOR          | FICUS GLOMERATA     | 3        | RETAINING |
| 4           | GULDIHAR     | ZIZIPHUS MAURITIANA | 1        |           |
| 5           | BABUL        | VACHELLIA NILOTICA  | 3        |           |
| TOTAL TREES |              |                     | 14       |           |

EXISTING TREE 14 NOS



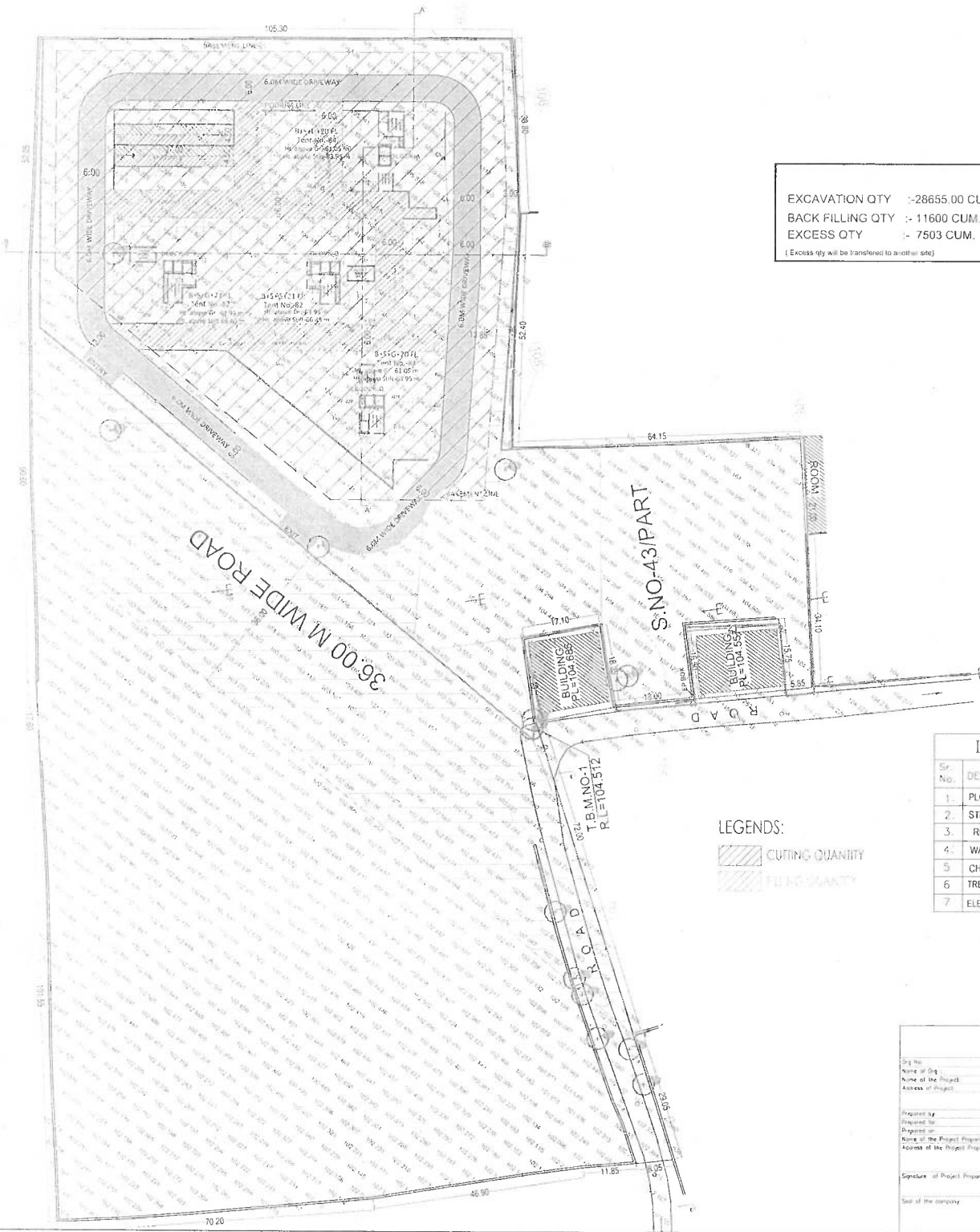
Prepared by: [Name]  
 Checked by: [Name]  
 Approved by: [Name]  
 Date: [Date]

CUTTING & FILLING



SECTION A-A'

SECTION B-B'



EXCAVATION QTY :- 28655.00 CUM  
 BACK FILLING QTY :- 11600 CUM.  
 EXCESS QTY :- 7503 CUM.  
 (Excess qty will be transferred to another site)

**LEGEND**

| Sr. No. | DESCRIPTION   | SYMBOLS |
|---------|---------------|---------|
| 1.      | PLOT BOUNDARY | ———     |
| 2.      | STRUCTURE     | ▨       |
| 3.      | ROAD          | ———     |
| 4.      | WALL          | ———     |
| 5.      | CHAMBER       | ○ ○     |
| 6.      | TREE          | ⊕       |
| 7.      | ELECTRIC POLE | T       |

**LEGENDS:**  
 CUTTING QUANTITY  
 FILLING QUANTITY

NOTE:  
 ALL DIMENSION IN METERS  
 LEVEL INTERVAL - 5M  
 CONTOUR INTERVAL - 0.50M

|                               |  |
|-------------------------------|--|
| Dwg No.                       |  |
| Name of Site                  | CUTTING & FILLING  |
| Name of the Project           | PROPOSED RESIDENTIAL PROJECT AT HUNHAVAD                   |
| Address of Project            | S. NO. 43/2/43/6, 44 AT: HUNHAVAD, TE. - VEPUR, DIST: PUNE |
| Prepared by                   | ABHIRAM K. S. & ASSOCIATES                                 |
| Prepared for                  | SHRI. K. A. CHANDRAN                                       |
| Checked by                    | ABHIRAM K. S.  |
| Name of the Project Preparer  | ABHIRAM K. S. - 125, SHIVAJI NAGAR, PUNE - 411 004         |
| Name of the Project Preparer  | ABHIRAM K. S. - 125, SHIVAJI NAGAR, PUNE - 411 004         |
| Signature of Project Preparer |  |
| Seal of the company           |  |

|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

## Traffic Survey Report

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Rohan - Hinjawadi

Hinjawadi, Pune

|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

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|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

## 1. Retrieval Analysis in case of Emergency:

It is essential to ensure the security of the entire occupants of the project during a disaster via correct DMP. In addition to safety of occupants, the vehicles from entire project should be also be retrieved in a systemic manner. The chief objective of this study is to determine the total time necessary to evacuate the occupants from the dwelling units and vehicles from parking area.

Assumptions:

1. Speed for Cars = 12 kmph on straight 8 kmph at curves.
2. Speed for 2W = 10 kmph on straight and 8 kmph at curves.
3. Speed of Cycles = 8 kmph on straight and 6 kmph at curves.
4. During emergency, there will be simultaneous retrieval from both the Exits.
5. As the driveways in the basement are minimum 6M Wide, 2 cars have be considered exiting the basement simultaneously.
6. During emergency both the ramps from the basement will be used for evacuation simultaneously.
7. The Driveways on ground floor are minimum 6M wide each, hence we have considered that 2 cars and 2 bikes or 3 bikes will be exiting simultaneously.
8. During emergency, the adjoining area will be cordoned off with help of police and retrieval will be marshalled with help of security wardens.
9. Retrieval Time for each car includes the backup manoeuvre and slow down at turns.
10. The principle of LIFO (Last in First Out) will be applied.
11. Initial Delay and Circulation Delay time is considered.

The average distance from the basement to ground floor (at Basement Entrance) is 216m. From ground floor basement entrance the distance to exit gate is 222m. The average time required for the farthest car to travel from Basement to the exit gate is 2.29 minutes. The average time required for the farthest Bike to travel from stilt parking to the exit gate is 1.49 minutes and average time required for the farthest cycle to travel from stilt parking to the exit gate is 1.81 minutes.

Taking into consideration all the factors, cumulative time required for all the vehicles is calculated below.

| For 100% Evacuation during Emergency Situation: |                  |                   |                      |                   |                            |
|---|------------------|-------------------|----------------------|-------------------|----------------------------|
| Parking   | No of Cars (No.) | No of Bikes (No.) | No of Bicycles (No.) | No of Exits (No.) | Total Time Taken (Minutes) |
| Basement  | 244              | 0                 | 0                    | 2                 | 19.21                      |
| Stilt   | 0                | 498               | 498                  |                   |                            |

Retrieval time for all the vehicles form Basements and Stilt during Peak Hours

It takes around 44.9 Minutes for 100% of Vehicles to be evacuated from the Basement to the Project Site exit.

The occupancy of the vehicles is considered at 100%, the retrieval time may be reduced even more if the residential occupancy is less than 100%.

The parking plans are given below.

|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

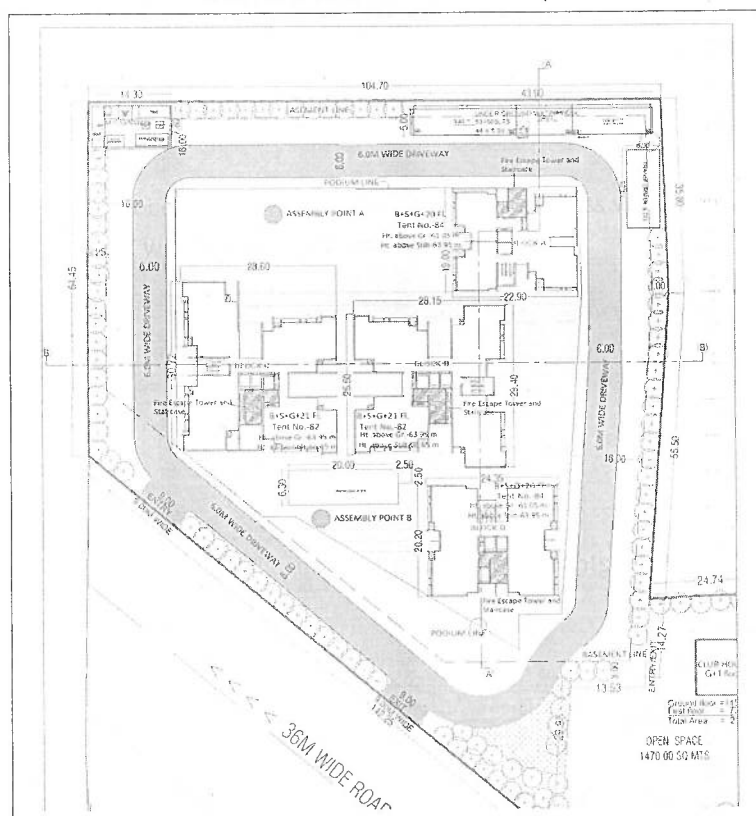
Similarly, evacuation for Occupants and visitors is also calculated.

Assumptions:

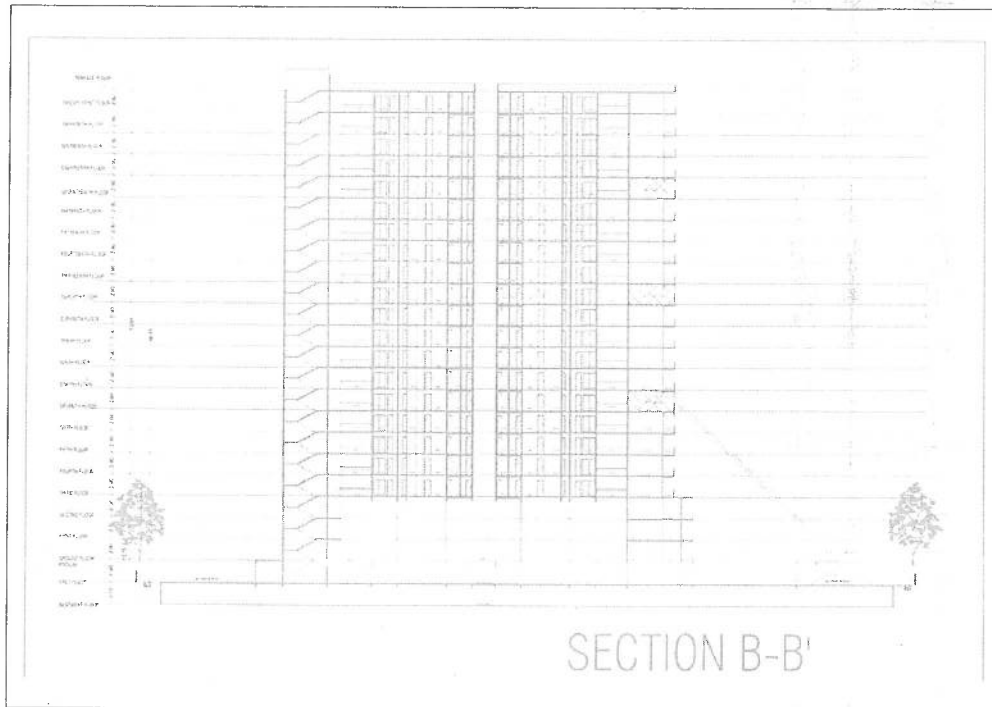
1. Average Time for a person to reach the Fire Staircase is 20 Seconds
2. During emergency, for people with disability, Fire Lifts are provided for easy evacuation.
3. Time for a person to climb down a floor is taken as 0.50 minutes (30 seconds)
4. The speed of the person walking during emergency, is considered to be 6 Km/h.
5. There is 1 fire staircases in Each Building. Width of each staircase flight is 1.5M, thus 2 people can step down together.
6. An assembly point is dedicated on the podium level where all the people can assemble in case of emergency. The evacuation time is calculated for all the occupants to reach the assembly point.
7. The initial delay in time and delay due to high number of people is considered in the calculation
8. The evacuation of occupants will be a simultaneous process with the evacuation of vehicles. Thus no extra time will be considered for the same.

| 100% Occupants Evacuation during Emergency Scenario |           |                           |
|---|-----------|---------------------------|
| Rohan Hinjewadi                                     | Occupancy | Total Exit Time (Minutes) |
| Building A  | 420       | 6.38                      |
| Building B  | 410       | 5.84                      |
| Building C  | 400       | 5.52                      |
| Building D  | 420       | 6.35                      |
| Average Time Required                               |           | 6.02                      |

Retrieval time for all the occupants

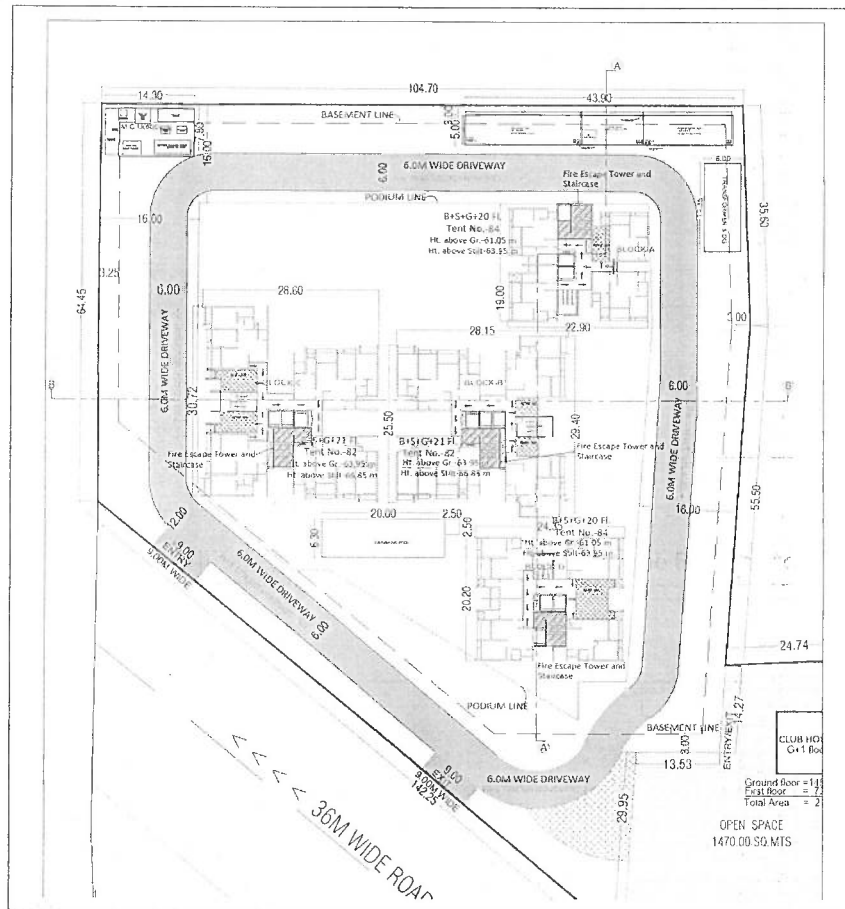


Ground Floor Occupants exit during Evacuation



Section Showing the Refuge Floors

For all occupants to evacuate, it takes almost 6.02 minutes for from the Building to the Assembly Points.



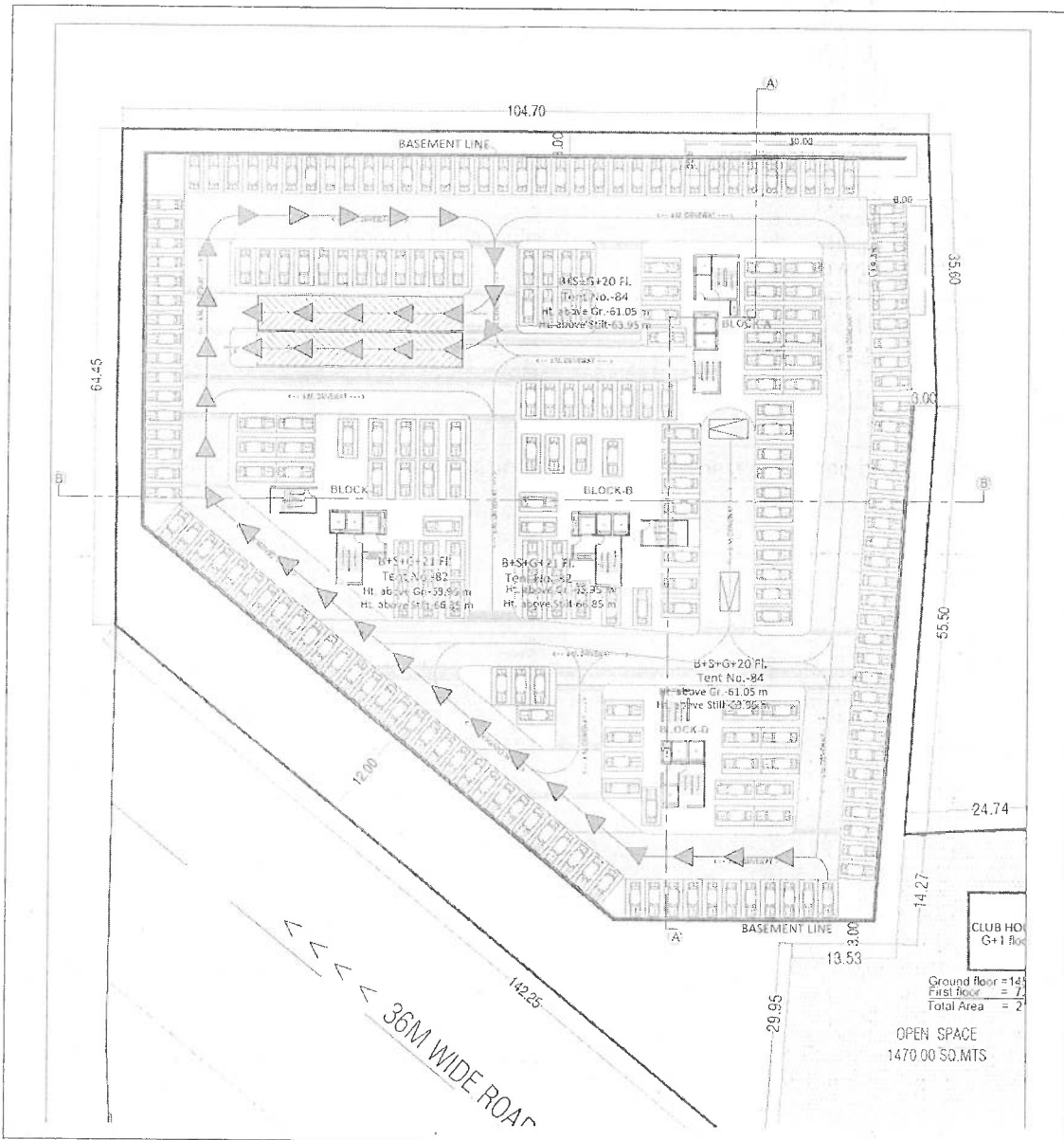
Refuge Floor Plan with Fire Escape Staircase



|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

## 2. Car Evacuation from basements and Stilt in case of an Emergency:

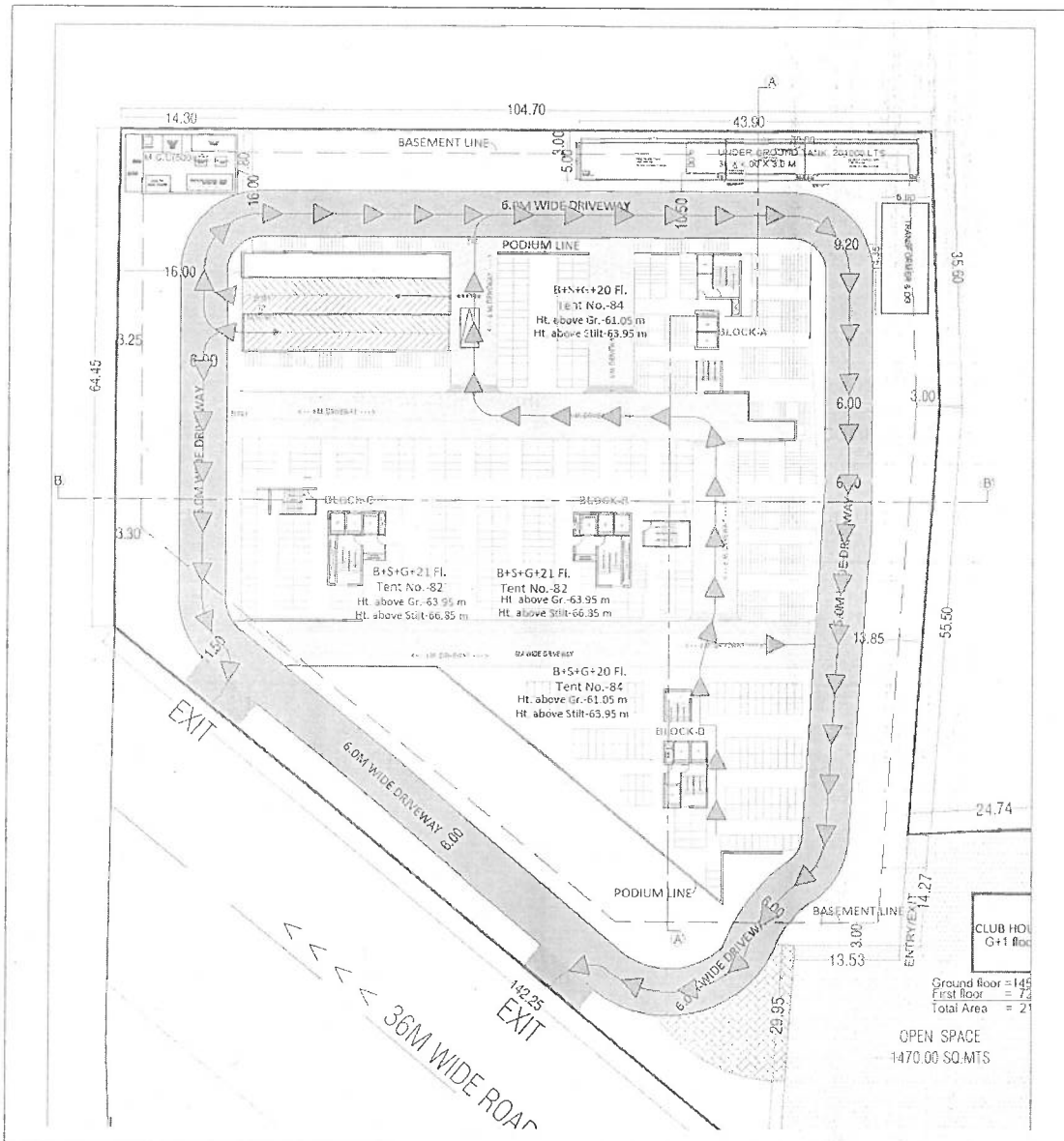
During an emergency, below is the car evacuation plans from farthest car in the basement to exit gate.



Basement Plan

|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

During an emergency, below is the car evacuation plans from farthest Bike on the Stilt to exit gate.



Ground Floor

|        |                   |                   |
|--------|-------------------|-------------------|
| SPROUT | Rohan - Hinjewadi | TRAFFIC SURVEY    |
|        |                   | COMPLIANCE REPORT |

### 3. Recommendations:

#### Traffic Management Plan (During Construction Phase)

- i. Project shall appoint watch man at entry and exit point to insure the smooth traffic movement.
- ii. Contractor to maintain an up to date database of all vehicles and construction equipment's deployed across various project component locations to be maintained.
- iii. Site shall ensure sufficient parking inside the premise during the construction phase for staff as well as visitors.
- iv. Project shall maintain clear signs, flagmen and signal posts within the premises wherever required.
- v. As far as possible PP shall maintain the two different lanes for up and down direction for flows of vehicles during construction phase within site premises.
- vi. Within construction area speed limit of 10 km/hr. shall be defined for movement of vehicle

#### Traffic Management Plan (Post Occupancy)

The Following traffic management plan pointers and suggestions have been mentioned for the project proponent to follow to ensure smooth traffic flow on and outside the site after full occupancy of the project site.

- i. This project has some of sharp curves as well as smooth curves therefore convex mirror will be provided at most of curve
- ii. In commercial building areas board of "speed limit up to 10 km/hr." has been posted.
- iii. Speed breakers to ensure the speed limits to be controlled on the road crossings so as to allow safe road pedestrians.
- iv. PP shall ensure the separate footpaths throughout the road network.
- v. Level difference between the road and foot path shall be well maintained.
- vi. Separate entry and exit for vehicles. There is already provision for separate gates.
- vii. Internal signage's plan showing the locations of traffic signage's like speed limit etc. with location of convex mirrors.

### Conclusion:

The total evacuation time for all the vehicles and occupants for the whole project will be 19.21 Minutes. No extra time will be considered for the people to evacuate as it will be a simultaneous process with the vehicles.

## Bio-Medical Waste Management & disposal Plan

Residential Construction Project At S. No 43/3, 43/6 , 44 Hinjewadi Mulshi Pune.

### During Construction Phase

1. Construction labour will be trained to maintain social distancing
2. Provision of face mask, Gloves and hand sanitizers to construction workers and subcontractors
3. Training will be given to subcontractors & workers regarding waste collection, segregation and sanitation.
4. Separate bins will be provided for collection of waste.
5. All generated biomedical waste will be scientifically disposed off as per the Bio-medical waste (M & H) rules as per guidelines issued by competent authority time to time.

### During Operation phase

1. Maximum use of washable/cloth face mask for occupant
2. Informing and educating occupants to ensure segregation of waste in colour coded barrels
3. Sanitization will be made for every 2 days in society for lift and common area.
4. All generated Biomedical waste will be scientifically disposed off as per the Bio-medical waste (M & H) rules as per guidelines issued by competent authority time to time.
5. Separate record will be maintained by society secretary with documentary evidence.