Gmail **kumar properties <kumarworldcompliance2025@gmail.com>**

Six Monthly Compliance Report for period October 2019 to March 2020 for project _Prakruti Constructions Pvt. Ltd.

kumar properties <kumarworldcompliance2025@gmail.com> Mon, Jul 20, 2020 at 7:30 PM
To: eccompliance-mh@gov.in
Bcc: Moef19@kumarworld.com

Dear Sir/Madam,

Please find the Post EC Compliance Report attached herewith for Period October 2019 to March 2020 of Residential project proposed on_ F.P. no.105, S. no. 343/2, Tadiwala Road, Haveli, Pune, Maharashtra. , by Prakruti Constructions Pvt. Ltd.,with reference to Environmental Clearance Letter No. SEIAA-EC-0000002051 dated 22nd October 2019.
Hope this is in line with your requirement.

Thanking you
Yours Sincere

Prakruti Constructions Pvt. Ltd.

Compliance report_Pinacal_ Oct 2019to March 2020.pdf
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1	Scrutiny-Letter-21-Jan-2020	Other	21-01-2020	Download | Message
2	visit report	Visit Report	24-01-2020	Download | Message
3	Scrutiny-Letter-27-Jan-2020	Other	27-01-2020	Download | Message
4	Scrutiny-Letter-04-Feb-2020	Other	04-02-2020	Download | Message

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Sr No.	Document Category	Document Name	Date	Action
1	Other	Reply to Scrutiny Letter 21-jan-2020	28-01-2020	Download | Message | Delete
2	Land Ownership Certicate	Land Document	12-12-2019	Download | Message | Delete
3	Other	Annexure 1 to 5 for Reply Scrutiny Letter 21-jan-2020	28-01-2020	Download | Message | Delete
4	Detailed proposal of pollution control system	Details of pollution control system	12-12-2019	Download | Message | Delete
5	Other	Architect Certificate with existing and proposed BUA	20-02-2020	Download | Message | Delete
6	Other	Six monthly Compliance report_Pinnacle_Oct 2019 to March 2020	22-07-2020	Download | Message | Delete
7	Industry Registration	Industry Registration	12-12-2019	Download | Message | Delete
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9	CA Certificate | Balance Sheet | Capital Investment	CA Certificate	12-12-2019	Download | Message | Delete

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Note: For infrastructure projects submit architecture area statement additionaly.
Note: If project attracts EIA notifications submit environmental clearence copy and for infrastructure project environmental clearence & architect completion certificate.

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SIX MONTHLY COMPLIANCEREPORT

OF

‘RESIDENTIAL PROJECT’

AT
F.P.NO. 105, S. NO. 343/2, TADIWALA ROAD PUNE,

OF
PRAKRUTI CONSTRUCTIONS PVT. LTD.

FOR
OCTOBER 2019 TO MARCH 2020

PREPARED BY

ACE ENVIRONMENT

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LIST OF ANNEXURES

Section1: Purpose of the Report

As per the 'Sub Para (i)' of 'Para 10' of EIA Notification 2006 and Condition mentioned and in Part-A(Specific Conditions), Sub point (i) Operation Phase of Environmental Clearance (EC) letter (***SEIAA-EC-0000002051)***dated22nd October 2019 **(Annexure 1)**, it is mandatory to submit six monthly compliance report to show the status & compliance of all the conditions mentioned in EC letter, along with monitoring of various environmental parameters. Therefore, based on specific and general conditions mentioned in EC letter detail compliance report is prepared.

Section 2: Project Details

Prakruti Constructions Pvt. Ltd.is constructing residential at F.P.no. 105, S. no. 343/2, Tadiwala Road, Haveli, Pune, Maharashtra. The project is designed as a self-sufficient establishment wherein infrastructure facilities such as water supply, power supply and communication facilities are proposed. Further the project proponent has made provision for waste collection and disposal, rain water harvesting and sewage treatment to ensure that project is environment friendly. The project proponent also proposes arrangement for safety; maintenance and security of residents. The main features of the project are as follows.

Sr. No.	Particulars	Details
1	Total Plot Area (As per EC)	12943.86m^2
2	Proposed FSI area	16540.30m^2
3	Proposed Non FSI area	8848.77m^2
4	Construction BUA (FSI + Non FSI)	25389.07m^2
6	Domestic Water Requirement	208m^3/day
7	Recycled Water Requirement (For Flushing & Landscaping)	Flushing: 19 m^3/day Landscaping: 7 m^3/day
8	Sewage Generation	181 m^3/day
9	No. & Capacity of STP	1 no. with capacity of 55 KLD
10	Solid Waste Generation	Non-Bio-degradable Waste: 317 kg/day Bio-degradable Waste: 446 kg/day
11	Energy Demand	During Construction Phase: (Demand Load): - 116 kVA During Operation Phase: (Connected Load): - 1565 KW During Operation Phase: (Demand Load): - 790 kVA DG Set: 1 no. x 140 kVA & 1 no. x 125 kVA Transformers - 630 kVA X 2 nos.

Section 3: Present Site Conditions

Sr. No.	Name of Buildings	No. of Buildings	Current Status
1.	A1, A2, A3, A6 & CH	05 Buildings	Completed & handed over to society.
2.	A4, A5	02 Buildings	Proposed

Sr. No.	Status	Construction Area (in Sq.m)
1.	Total Construction Area as per EC	25389.07
2.	Total Construction Area Completed till March 2020	18630.13

Section 4: Post Environment Clearance Compliance Report

The Application was considered by the State Level Expert Appraisal Committee-III. The proposal has been considered by SEIAA in its 177th meeting held on 3rd October, 2019 and accorded Environmental Clearance for the above-mentioned project under the provisions of the Environment Impact Assessment Notification, 2006 and amendments thereto and Circulars issued thereon and subject to the compliance of the following specific conditions, in addition to the general conditions mentioned below:

Sr. No.	EC Conditions	Compliance Status
Specific Conditions		
i.	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA	We have submitted CER plan to Municipal Commissioner on 23/09/2019 and acknowledgement copy of the same has been uploaded on EC MPCB portal on 23/06/2020
ii.	PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF & CCvide F.No.22-34/2018-IA.III dt.04.01.2019.	Yes, We will comply the standard EC conditions mentioned in the Office Memorandum issued by MoEF & CC vide F.No.22-34/2018-IA.III dt.04.01.2019

iii	SEIAA decided to grant EC for –FSI: 16540.30 m^2, Non-FSI: 8848.77 m2 and Total BUA: 25389.07 m2 (Plan Approval no-CC/4056/18 DPO/Zone no.4 Date-27.03.2019)	We agreed to this Condition.
	General Conditions	
i.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Condition is noted

ii.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Condition is noted.
iii.	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily imply that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	No NOC is required from the Forestry & Wildlife board as there is no forest land in the vicinity.
iv.	PP has to abide by the conditions stipulated by SEAC& SEIAA.	Condition is noted.
v.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The height, Construction built up area of proposed construction is in accordance with the existing FSI/FAR norms of the urban local body. Proposed project is in the residential zone as per the approved development plan of the area. The construction will be as per Commencement vide no.CC/4056/18 D.P.O/ Zone no. 4 dated 27/03/2019. A copy of same is attached as **Annexure 2.**

vi.	If applicable Consent for Establishment shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	'Consent for Establishment' obtained dated 15.06.2020 from MPCB. Copy of same is attached as **Annexure 3**.
vii.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase	Sanitary facilities such as toilets for ladies and Gents will be provided on site and water for drinking purpose will be provided on site.
viii.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Drinking water will be provided for labourers on site, Waste water generated will be disposed of through urinals connected with septic tank, Solid waste generated will be treated in OWC present on site.
ix.	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	The solid waste will be segregated and recyclable material will be sold to recyclers and inert material will be used for site leveling.
x.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	All construction waste will be collected and segregated properly at site and most of it will be reused for construction activity and we will ensure that no neighboring community will get affected.
xi.	Arrangement shall be made that waste water and storm water do not get mixed.	Arrangement will be made that waste water and storm water will not get mixed.
xii.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	We will use top soil for landscape development.

xiii.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Construction debris will be used for base preparation of the road and for site leveling.
xiv.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Condition noted
xv.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Soil testing done, according to reports all the parameters are within limit and so there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. Monitoring report is attached as an **Annexure 4.**
xvi.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water	We will take proper measures during construction activity to avoid contamination of water courses. No bituminous material will be used in construction.
xvii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Used oil generated at site will be disposed of through MPCB authorized vendors.
xviii.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	We will use low sulphur diesel type DG during construction phase and it will confirm to Environment (Protection) rules prescribed for Air and Noise emission standards.
xix.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	We will be using DG set only during power failure and hence not much diesel will be stored at site.
xx.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Construction vehicles will be checked for PUC certificate before entry.

xxi.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Care will taken to maintain the noise level within limits at site. Construction activities will be limited to daytime only. Noise shields will be provided for heavy construction equipments. PPE provided to labours
xxii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Noted
xxiii.	Ready mixed concrete must be used in building construction.	Yes, we will use Ready mixed concrete in construction.
xxiv	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water control and its re-use will be as per CGWB
xxv	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	We will use tanker water for construction. Still we will reduce the water demand during construction by adopting suggested measures.
xxvi	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Condition is noted.
xxvii	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line.Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated	The treated sewage will be used for flushing & gardening purpose. Discharge of unused treated affluent shall conform to the norms of MPCB.

	affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	
xxviii	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	We will not use ground water. In case of requirement we will obtain permission to withdraw ground water from competent authority.
xxix	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Dual plumbing shall be provided in buildings.
xxx	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	We will use low flow fixtures in toilets to minimize wastage of water.
xxxi	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Condition is noted
xxxii	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Condition is noted
xxxiii	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking	Condition is noted. We will adopt energy conservation measures

	feasibility, solar plus hybrid non-conventional energy source as source of energy.	
xxxiv	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	1 no. x 140 kVA & 1 no. x 125 kVA will be provided for power back up. DG sets will be provided with silencer and acoustic enclosures. Stack shall be provided as per MPCB norms.
xxxv	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Yes we will maintain noise level as per standards norms.
xxxvi	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Condition is noted
xxxvii	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Condition is noted
xxxviii	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Condition is noted

xxxix	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.	Dedicated site engineer and supervisory staff will be appointed to take care of the monitoring and overall implementation
XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Condition is noted
XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.	RO shifted to Nagpur hence we will submit to Nagpur.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	Condition is noted
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	Condition is noted
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Condition is noted
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Condition is noted.

XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Condition is noted.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	In case we will cross BUA given in the EC we will take prior revised EC
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Separate funds have been allocated for implementation of environmental protection measures/EMP, copy of same is attached as **Annexure 5**
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.	Advertisement was published in Marathi and English Newspaper. The copy of same is attached as **Annexure 6.**
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1stJune & 1st December of each calendar year.	Condition Noted and will be complied.
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website	Condition Noted and will be complied.

	of the Company by the proponent.	
LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (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.	Condition is noted.
LIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective, Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Condition is noted.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the 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.	We will submit environmental statement for each financial year.
LV	EC is granted for: Total BUA - 65565.16 m2 which includes FSI area - 24565.16 m2 & non-FSI area -41000.00 m2.	Condition is Noted.

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.	Condition is noted.
5.	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.	Condition is noted.
6.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Condition is noted.
7.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	Condition is noted.
8.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Condition is noted.

9.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Condition is noted.
10.	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Condition is noted.

Section 5: Monitoring and Analysis

Monitoring of Air quality, Water quality, Soil quality, Noise level and DG set stack emissions at construction site. Monitoring was done and samples were collected as per standard norms. All samples were analyzed in NABL accredited laboratory. The details of sampling parameters were given in following table.

Sr. No.	Environmental Components	Monitoring Parameters
1	Air	PM_{10}, $PM_{2.5}$, SO_2, NO_2, O_3, Pb, CO, NH_3, C_6H_6, Benzo (a) Pyrene – Particulate Phase only, As, Ni
2	Water	Color, Odour, Turbidity, pH, TDS, Total Alkalinity, Total Hardness, Ca, Mg, Cl^-, SO_4, NO_3, Fe, Mn, F, Pb, Cu, Zn, Cr^{6+}, As, B, Residual Chlorine, Al, Cd, Se, Hg, Pesticides, Mineral Oil
3	Noise	Leq
4	Soil	pH, Electrical Conductivity, Total Nitrogen as N, Phosphate as P, Potasium as K, Exchangeable Calcium as Ca, Exchangeable Magnesium as Mg, Exchangeable Sodium as Na, Organic Matter, Texture

Monitoring results are attached as **Annexure 3** which indicates that parameters of all environmental components are within standard limit and there is no pollution caused by construction activity.

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:October 22, 2019

To,
Prakruti Constructions Pvt. Ltd.
at F.P.no. 105, S. no. 343/2, Tadiwala Road

Subject: Environment Clearance for Proposed Residential project by Prakruti Constructions Pvt Ltd at F.P.no. 105, S. no. 343/2, Tadiwala Road, Sangamwadi, Pune, Maharashtra

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-III, Maharashtra in its 93rd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 177th meetings.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(a), B2 as per EIA Notification 2006.

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

1.Name of Project	Residential Project
2.Type of institution	Private
3.Name of Project Proponent	Prakruti Constructions Pvt. Ltd.
4.Name of Consultant	Sneha Hi-Tech Products
5.Type of project	Residential and Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	F.P.no. 105, S. no. 343/2, Tadiwala Road
9.Taluka	Haveli
10.Village	Sangamwadi
Correspondence Name:	Prakruti Constructions Pvt. Ltd.
Room Number:	--
Floor:	1st floor
Building Name:	Kumar Capital
Road/Street Name:	2413, East Street
Locality:	Camp
City:	Pune
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received
	IOD/IOA/Concession/Plan Approval Number: Sanctioned layout no. CC/4056/18 D.P.O/ Zone no. 4 dated 27/03/2019
	Approved Built-up Area: 25389.07
13.Note on the initiated work (If applicable)	Four Buildings and a club house having built up area : 18630 Sqm have been completed based on plans sanctioned in 2002 & 2005.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	12943.86 sq. m.
16.Deductions	0
17.Net Plot area	12943.86 sq. m.

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 16540.30 sq. m.
	Non FSI area (sq. m.): 8848.77 sq. m.
	Total BUA area (sq. m.): 25389.07
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 16540.30 sq. m.
	Approved Non FSI area (sq. m.): 8848.77 sq. m.
	Date of Approval: 27-03-2019
19.Total ground coverage (m2)	3238.65 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25%
21.Estimated cost of the project	397603129

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

23.Total Water Requirement

Dry season:	Source of water	PMC / Treated water from STP
	Fresh water (CMD):	182
	Recycled water - Flushing (CMD):	19 m3/day
	Recycled water - Gardening (CMD):	7 m3/day
	Swimming pool make up (Cum):	6 m3/day
	Total Water Requirement (CMD) :	208m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	120 m3
	Excess treated water	23 m3/day
Wet season:	Source of water	PMC / Treated water from STP
	Fresh water (CMD):	182
	Recycled water - Flushing (CMD):	19 m3/day
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	6 m3/day
	Total Water Requirement (CMD) :	201m3/day
	Fire fighting - Underground water tank(CMD):	300 m3
	Fire fighting - Overhead water tank(CMD):	120 m3
	Excess treated water	30 m3/day
Details of Swimming pool (If any)	Area- 247.86 sq.m.	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Post Monsoon 4 to 6 m BGL & pre monsoon 12 to 15 m BGL
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	4 Nos
	Size of recharge pits :	2 m x 1 m x 2 m
	Budgetary allocation (Capital cost) :	5 Lakh
	Budgetary allocation (O & M cost) :	0.75 Lakh/year
	Details of UGT tanks if any :	Drinking 58.00 CuM Domestic - 207.00 CuM Fire- 300.00 CuM
26.Storm water drainage	**Natural water drainage pattern:**	Towards North-West
	Quantity of storm water:	0.22 m3/sec
	Size of SWD:	450 mm x 300 mm
27.Sewage and Waste water	**Sewage generation in KLD:**	181 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 no. with capacity of 55 KLD
	Location & area of the STP:	Location is as per master layout and area is 40 sq. m.
	Budgetary allocation (Capital cost):	22.40 Lakh
	Budgetary allocation (O & M cost):	7.80 Lakh/year

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Empty cement bags, steel, sand, packaging material, Aggregates
	Disposal of the construction waste debris:	Excavated earth material will be used for filling of plinth area
Waste generation in the operation Phase:	**Dry waste:**	317kg/day
	Wet waste:	446kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8 kg/day
	Others if any:	E- waste 939kg/year
Mode of Disposal of waste:	**Dry waste:**	Handed over to agency for further handling & disposal
	Wet waste:	Through Mechanical Composter (Smart OWC)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure for gardening purpose or will be disposed off as per CPHEEO manual on sewerage
	Others if any:	E Waste-Handed over to authorized recycler for further handling & disposal purpose
Area requirement:	**Location(s):**	Locations are as per master layout
	Area for the storage of waste & other material:	12 sq. m.
	Area for machinery:	36 sq. m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	14.75 lakh
	O & M cost:	2.80 Lakh/year

29.Effluent Charecterestics					
Serial Number	**Parameters**	**Unit**	**Inlet Effluent Charecterestics**	**Outlet Effluent Charecterestics**	**Effluent discharge standards (MPCB)**
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
Source of Fuel		Not applicable		
Mode of Transportation of fuel to site		Not applicable		

33.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	116 kVA
	DG set as Power back-up during construction phase	125 kVA
	During Operation phase (Connected load):	1565 KW
	During Operation phase (Demand load):	790 kVA
	Transformer:	630 kva X 2 nos.
	DG set as Power back-up during operation phase:	1 no. x 140 kVA & 1 no. x 125 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

34.Energy saving by non-conventional method:

LED fixtures
Low Loss Transformer
Solar Water Heater
Solar PV cell
Automatic Timer logic controller
VFD for Lift

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Saving in Project by Energy saving measures	9.98%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	52.36 Lkah
	O & M cost:	1.30 Lakh/year

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water For Dust Suppression , Air & Noise Monitoring	2.00
2	Water	Tanker Water For Construction, Water Monitoring	2.50
3	Land	Site Sanitation	1.50
4	Socio-Economic	Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	4.00
5	Environmental Monitoring	Air, Water, Noise & DG Stack	2.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	STP cost considered	22.40	7.80
2	Rain Water Harvesting	No. of pits	5	0.75
3	Solid Waste Management	To assure proper disposal of Dry and Wet Waste, 1 no OWC will be provided	14.75	2.80
4	Landscape	Plantation & gardening	10	1.80
5	Energy	With all said energy saving measures like solar panels and solar water heaters	52.36	1.30
6	Environmental Monitoring	"Ambient Air quality, Noise level, Exhaust from DG Set, drinking water,sewage from STP as per EP act,	-	2.50

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 177th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit CER plan to Municipal Commissioner/District Collector and submit the acknowledgement to Member Secretary, SEIAA.
II	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.
III	SEIAA decided to grant EC for –FSI: 16540.30 m2, Non-FSI: 8848.77 m2 and Total BUA: 25389.07 m2 (Plan Approval no-CC/4056/18 DPO/Zone no.4 Date- 27.03.2019)

General Conditions:

I	E-waste shall bedisposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
IV	PP has to abide by the conditions stipulated by SEAC& SEIAA.
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
VI	If applicable Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
VIII	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
IX	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
X	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
XI	Arrangement shall be made that waste water and storm water do not get mixed.
XII	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
XIII	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
XIV	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
XVI	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
XX	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
XXI	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
XXIII	Ready mixed concrete must be used in building construction.
XXIV	Storm water control and its re-use as per CGWB and BIS standards for various applications.
XXV	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
XXVI	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
XXVII	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line.Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
XXVIII	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
XXIX	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
XXX	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
XXXI	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
XXXII	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
XXXIII	Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.
XXXIV	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
XXXV	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
XXXVI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
XXXVII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
XXXVIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
XXXIX	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.
XL	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

XLI	Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
XLII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.
XLIII	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
XLIV	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
XLV	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
XLVI	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
XLIX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.
L	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (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.
LIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
LIV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the 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.

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. 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.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

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

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR

F.S.I. STATEMENT (EXISTING)

WINGS	NO OF FLOORS	NO OF TENE.	BUILDING HEIGHT	GR. COVER.	COMM. F.S.I.	RESI. F.S.I.	TOTAL F.S.I.	BALCONY PERMI.	BALCONY PROP.	BALCONY EXCESS	TOTAL FSI CONSUMED	PASSAGE	STAIRCASE	LIFT+ LMR	TERRACE
A1	P+8	48	27.21	440.34	231.85	2813.28	3045.13	12307.61 X 15%	423.84	–	12307.61	218.72	129.52	24.66	354.72
A2	P+8	48	27.21	440.34	235.49	2813.28	3048.77		423.84			218.72	129.52	24.66	354.72
A3	P+8	48	27.21	440.34	235.49	2813.28	3048.77		423.84			218.72	129.52	24.66	354.72
A6	P+9	54	28.25	440.34	–	3164.94	3164.94		476.82			246.06	145.71	24.66	409.32
TOTAL	–	198	–	1761.36	702.83	11604.78	12307.61	1846.14	1748.34	–	12307.61	902.22	534.27	98.64	1473.48

F.S.I. STATEMENT (PROPOSED)

WINGS	NO OF FLOORS	NO OF TENE.	BUILDING HEIGHT	GR. COVER.	F.S.I.	TOTAL F.S.I.	BALCONY PERMI.	BALCONY PROP.	BALCONY EXCESS	TOTAL F.S.I. CONSUMED	STAIRCASE	LIFT+ LMR
A4	P+7	28	24.00	258.11	1806.77	1806.77	4232.69 X 15	246.47	–	4232.69	105.70	30.45
A5	P+7	56	24.00	346.56	2425.92	2425.92		341.74			183.54	43.67
TOTAL	–	84	–	604.67	4232.69	4232.69	634.90	588.21	–	4232.69	289.24	74.12

F.S.I. STATEMENT (EXISTING+PROPOSED)

	NO OF TENE.	GR. COVER.	F.S.I.	PROP. BALC.	PASSAGE	STAIRCASE	LIFT+ LMR	TERRACE
EXISTING	198	1761.36	12307.61	1748.34	902.22	534.27	98.64	1473.48
PROPOSED	84	604.67	4232.69	588.21	–	289.24	74.12	–
TOTAL	282	2366.03	16540.30	2336.55	902.22	823.51	172.76	1473.48

F.S.I. & NON F.S.I. STATEMENT

WING	EXISTING COMMERCIAL F.S.I.	EXISTING RESIDENTIAL F.S.I.	PROPOSED RESIDENTIAL F.S.I.	TOTAL F.S.I.	BALCONY PROP.	PASSAGE	STAIRCASE	LIFT +LMR	TERRACE
A1	231.85	2813.28	–	3045.13	423.84	218.72	129.52	24.66	354.72
A2	235.49	2813.28	–	3048.77	423.84	218.72	129.52	24.66	354.72
A3	235.49	2813.28	–	3048.77	423.84	218.72	129.52	24.66	354.72
A4	–	–	1806.77	1806.77	246.47	–	105.70	30.45	–
A5	–	–	2425.92	2425.92	341.74	–	183.54	43.67	–
A6	–	3164.94	–	3164.94	476.82	246.06	145.71	24.66	409.32
TOTAL	702.83	11604.78	4232.69	16540.30	2336.55	902.22	823.51	172.76	1473.48
					5708.52				

TOTAL F.S.I.	16540.30
FREE OF FSI AREA	5708.52
PARKING AREA	2792.06
OHWT	97.53
UG TANK	102.56
TRANSFORMER AREA	25.00
CLUB HOUSE	123.10
GRAND TOTAL	25389.07

T.D.R. AREA STATEMENT

T.D.R. ORIGINATED FROM	=	PARVATI S.NO. 121A, 122A/1 PLOT NO. 537
T.D.R. TO BE USED ON	=	S.NO. 343/2 F.P. NO. 537 C.T.S. NO. TADIWALA ROAD SANGAMWADI PUNE.
T.D.R. AREA TO BE USED	=	800.00 SQ.M.
T.D.R. AREA (WHICH ZONE)	=	'B' ZONE
NO. OF TENE. DUE TO T.D.R.	=	23 NOS.
HEIGHT OF BUILDING	=	27.21 M
NO. OF FLOORS DUE TO T.D.R.	=	WING A1/A2/A3 FLOOR 6th/7th/8th PART WING A6 WING A5 FLOOR 1st FLOOR (FULL)
WORK STAGE IN PROG.	=	WORK IN PROGRESS
PREVIOUS SANCTION NO.	=	C.C. NO. 2905 DATE- 10/04/2002

WATER REQUIREMENT

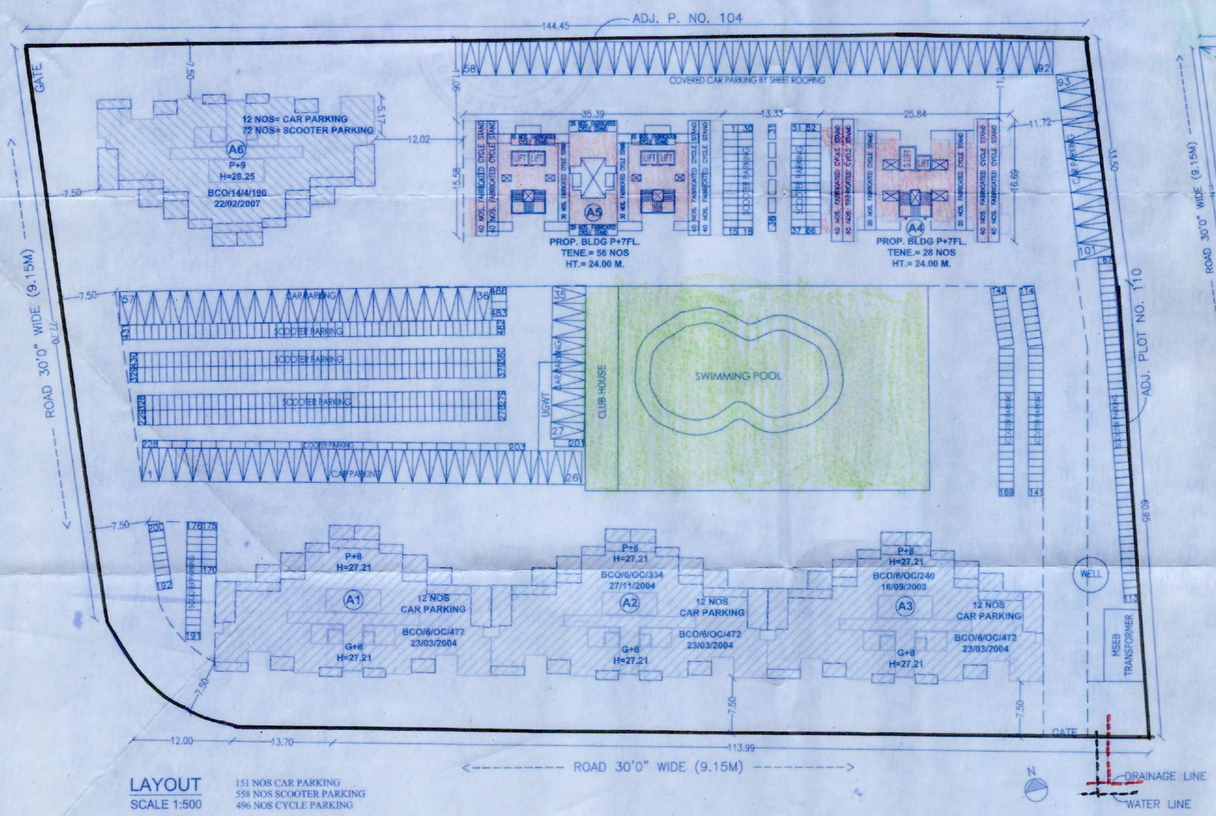
WING	O.H.W.T	U.G.W.T
'A1'	34170.00	51255.00
'A2'	34170.00	51255.00
'A3'	34170.00	51255.00
'A4'	28900.00	28350.00
'A5'	47800.00	56700.00
'A6'	36450.00	54675.00
TOTAL	215660.00	293490.00

TENEMENT STATEMENT :-

NET PLOT AREA	=	11649.48
DEDUCTIONS OF NON-RESI. AREA	=	702.83
AREA OF TENEMENTS	=	10946.65
TENE. PERMISSIBLE	=	250T/HA
	=	273.67
SAYS	=	274
TENE. PROPOSED	=	282

PARKING STATEMENT

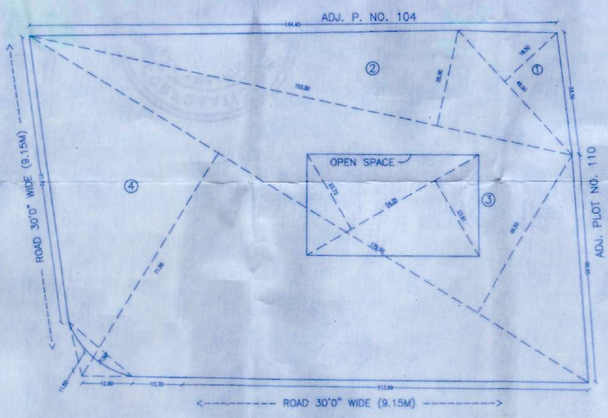
WING	TENE	CAR	SCOOTER	CYCLE
WING A1+A2+A3+A6				
COMM AREA FOR 100 SQ.M.		2	4	4
PROP. COMM AREA 585 SQ.M.		12	24	24
TENE. UPTO 40 SQ.M.	4	1	6	4
PROP TENE. BETWEEN 40–80 SQ.M.	66	17	102	68
TENE. BETWEEN 40–80 SQ.M.	2	1	2	2
PROP TENE. BETWEEN 40–80 SQ.M.	132	66	264	264
WING A4				
TENE. BETWEEN 40–80 SQ.M.	28	2	4	2
PROP TENE. BETWEEN 40–80 SQ.M.		28	56	28
WING A5				
TENE. BETWEEN 0–40 SQ.M.	2	1	4	4
PROP TENE. BETWEEN 40–80 SQ.M.	56	28	112	112
TOTAL PARKING REQ.		151	558	496
PARKING PROVIDED		151	558	500
AREA REQ. PER PARKING		12.50	2.00	0.70
TOTAL AREA REQ.		1888	1116	347



LAYOUT

SCALE 1:500

151 NOS CAR PARKING
558 NOS SCOOTER PARKING
496 NOS CYCLE PARKING



PLOT AREA CALCULATION

SCALE 1:1000

OPEN SPACE AREA CALCULATION

OPEN SPACE AREA= 23.73+23.91X54.35X0.50=1294.39 SQ.M.

PLOT AREA CALCULATION BY TRIANGULATION

1	1/2 X 46.50 X 19.50	=	453.375 SQ.M
2	1/2 X 152.50 X 26.00	=	1982.50 SQ.M
3	1/2 X 179.50 X 49.50	=	4442.625 SQ.M
4	1/2 X 179.50 X 71.00	=	6372.25 SQ.M
TOTAL AREA		=	13250.75 SQ.M
LESS CHAMFER		=	57.17 SQ.M
NET AREA OF PLOT		=	13193.58 SQ.M

AREA OF CHAMFER

= AREA OF TRIANGLE – AREA OF ARC
= [1/2 X 31.50 X 11.50] – [4/3 X 5.75 X √(1/4 X (315)² + 2/5 (5.75)²]
= [181.125] – [7.67 X √(1/4 X 992.25 + 2/5 + 33.06]
= [181.125] – [7.67 X √248.06 + 13.224]
= [181.125] – [7.67 X 16.16]
= 181.125 – 123.95 = 57.17 SQ.M.

PLOT AREA STATEMENT

F.P. NO. 105 S.NO. 343/2	AREA AS PER P.R.C.	AREA AS PER TRIANGULATION	AREA AS PER 'B' FORM	PLOT AREA CONSIDERED
AREA IN SQ.M.	13942.69	13193.58	12943.86	12943.86

STAMP OF APPROVAL

1/1

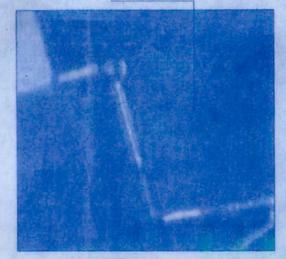
विकास योजना कार्यालय
मान्य लेआऊट क्र.CC/4056/18
डि.पी.ओ./झोन क्र. 4 दिनांक 27/7/2018
कार्यकारी अभियंता
विकास योजना संनियंत्रण नियंत्रण (झो.क्र. 4)
पुणे महानगरपालिका

POONA MUNICIPAL CORPORATION DEVELOPMENT PLAN SECTION POONA

जमिन विकसन निधी _____ चौ. मी. क्षेत्रासाठी
प्रकरण क्र. _____ चलन क्र. _____ दि. _____
घेणे शिल्लक आहेत.

for the purpose of proper circulation of road pattern and to have a continuity of the water & drainage system and other services for the development of adjacent lands the P.M.C. reserves the right to permit access and extension of the internal access and extension of the internal roads & services through this land under layout sub-division

PROPOSED SITE



LOCATION PLAN

AREA STATEMENT	SQM
1. PLOT AREA AS PER P.R.C.	13942.69
AREA OF PLOT (AS PER 'B' FORM)	12943.86
2. DEDUCTIONS FOR	
(a) AREA UNDER D.P. ROAD	0.00
(b) ANY RESERVATIONS	0.00
(c) ENCROACHEMENT	0.00
3. BALANCE AREA OF PLOT	12943.86
4. LESS AREA OF	
(a) OPEN SPACE (10% OF 3)	1294.38
(b) AREA UNDER INTERNAL ROAD	0.00
5. NET GROSS AREA OF PLOT AREA	12943.86
6. PERMISSIBLE BASIC FSI (12943.86X1.10)	14238.25
7. PERMISSIBLE SLUM T.D.R.(12943.86X40%X20%)	1035.50
8. PERMISSIBLE AMENITY T.D.R.(40% ON 12943.86 –7)	4142.04
9. PERMISSIBLE 0.30 PREMIUM FSI (0.30% ON 12943.86)	3883.16
10. TOTAL PERMISSIBLE F.S.I. (5+6)	23298.95
11. EXISTING F.S.I.	12307.61
12. PROPOSED F.S.I.	4232.69
13. EXISTING + PROPOSED F.S.I.	16540.30

LEGEND

PLOT LINE SHOWN – BLACK
PROPOSED WORK SHOWN – RED
DRAINAGE LINE SHOWN – RED DOTTED
WATER LINE SHOWN – BLACK DOTTED
EXISTING TO BE RETAINED – HATCHED BLUE
EXISTING TO BE DEMOLISHED – HATCHED YELLOW

NORTH

PROJECT

PROPOSED BUILDING ON F.P. NO.105, S.NO. 343/2 TADIWALA ROAD, SANGAMWADI, PUNE.

OWNER'S NAME,SIGNATURE

SHRI. KEWAL KUMAR JAIN (P.A.H.)

ARCHITECT :-

JAGADISH P. DESHPANDE
ARCHITECT, TOWN PLANNER, INTERIOR DESIGNER
A–1, SUCCESS CHAMBERS, 1232 APTE ROAD, DECCAN GYMKHANA, PUNE 411004.
PH. NO. 25532182, 25531141,
FAX. NO.–020–25532325
AR.JAGADISH P. DESHPANDE C.A.84/8316

DATE	DEALT BY	REVISED BY	CHECKED BY	SCALE
28/02/2019	NILESH		ASHOK SIR	1:500

z/kumarproperties/s.no.343/2sangamwadi/submissiondrawing/building20181220sd

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781 /24037124/24035273
Fax : 24044532/24024068 /24023516
Email : jdwater @mpcb.gov.in
Visit At : http://mpcb.gov.in

Kalpataru Point, 3rd & 4th floor,
Sion- Matunga Scheme Road No. 8,
Opp. Cine Planet Cinema, Near Sion Circle,
Sion (E), Mumbai - 400022

Infrastructure /Orange/LSI
Consent order No: Format1.0/BO/JD (WPC)/UAN-084659/CE/CC- 2006000665 Date 15/06/2020

To,
M/s. Prakruti Construction Pvt Ltd,
F. No. 105, S.No. 343/2, Tadiwala Sangamwadi,
Tal: Mulshi, Dist: Pune.

Sub: Consent to Establish for Construction of Residential and commercial Project granted under Orange Category.
Ref: Your Application vide UAN No. -0000084659 Dated: 12/12/2019.

For: Consent to Establish for Construction of residential and commercial project 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 under Rule 5 of the Hazardous and Other Wastes (M & TM) 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 a period up to commissioning of the project or of 5 years whichever is earlier.

2. The proposed capital investment of the project is **Rs.10.58 Cr.**
(As per CA certificate submitted by project proponent)

The Consent to Establish is valid for construction of residential and commercial Project named as **M/s. Prakruti Construction Pvt Ltd, F. No. 105, S.No. 343/2, Tadiwal Sangamwadi, Tal: Mulshi, Dist: Pune** for total plot area of **12,943.86 Sqm** and Proposed total construction built up area **25389.07 Sqma as per EC dt.22/10.2019** including utilities and services as per Commencement Certificate issued by local body.

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

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	NA	NA
2.	Domestic effluent	51.0	As per Schedule –I	60% should be reused & recycled and remaining should be discharged in municipal sewer

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

Sr. No.	Description of stack/ source	Capacity	Number Of Stack	Standards to be achieved
1.	DG Set	140 KVA	1	As Per Schedule –II
2.	DG Set	125 KVA	1	As Per Schedule –II

5. **Conditions under Solid Waste Management Rules, 2016:**

Sr. no.	Type Of Waste	Quantity & UOM	Treatment	Disposal
1	Wet garbage	126.00 Kg/Day	Organics waste Converter with composting facility / Biogas digester with composting facility	Used as Manure
2	Dry garbage	84.00 Kg/Day	–	Segregate and Hand over to Local Body for recycling
3.	STP sludge	8.00 Kg/day	STP	Used as manure

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. 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.
10. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
11. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
12. Project Proponent shall provide Organic waste digester with composting facility or Biogas digester with composting facility.
13. The applicant should comply with the conditions stipulated in Environmental Clearance Obtained from SEIAA, Environment Department, Government of Maharashtra, dtd. 22/10/2019 for total plot area **12943.86 Sqm** & total construction BUA area **25,389.07 Sqm**.

For and on behalf of the
Maharashtra Pollution Control Board

Dr. Y. B. Sontakke 15.6.2020.
Joint Director (WPC)

Received Consent fee of –

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1	50,000/-	N53191012591006	19/12/2019	online

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, Pune -I MPCB, – They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC desk- for record & website updating purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have proposed to install of Sewage Treatment Plants (**STP**) with the design capacity of **55.00 CMD**

B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1.	pH	Between	6.5 to 9.0
2.	Total Suspended Solids	Not more than	20 mg/l.
3.	BOD 3 Days 27 degree C	Not more than	10 mg/l.
4.	Chemical oxygen Demand (COD)	Not to more than	50 mg/l.
5.	NH4 N	Not more than	5 mg/l.
6.	N Total	Not more than	10 mg/l.
7.	Fecal Coliform MPN/100 Ml	Less than	100.0

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

D] Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

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 should 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

2) The industry should 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.

3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	57.00

4) 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 install the Air pollution control (APC)system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	UOM	S%	SO_2
1.	DG Set (140 KVA)	Acoustic enclosure	2.37	HSD	40.0	Lit/Hr	--	--
2.	DG Set (125 KVA)	Acoustic enclosure	2.24	Diesel	100.0	Lit/Hr	--	--

*** Above roof of the building in which it is installed.**

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

Particulate matter	Not to exceed	150 mg/Nm^3

3. The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment. 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).

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 lakh	15 Days	Towards Compliance of EC and consent conditions.	Up to Commissioning of the project	Up to Commissioning of the project

Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the industry.

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 Rules, 2016 and E-Waste (Management) Rules, 2016.
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) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
   d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   f) 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.
   g) D.G. Set shall be operated only in case of power failure.
   h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   i) The applicant shall comply with the notification of MOEF dated 17.05.2002 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 Rules, 2016 & E-Waste (M) Rules, 2016.
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) The treated sewage shall be disinfected using suitable disinfection method
9) 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
10) **The applicant shall Obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)
(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/AA1
Address	F.P.no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	NEAR SECURITY GATE
		Date of Sampling	04.02.2020
Sampling Done By	Kartik Patel	**Date of Sample Received**	05.02.2020
Analysis Starts On	05.02.2020	**Sampling Instrument**	RDS, FPS
Analysis Completion On	14.02.2020	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	75.4	100	IS 5182 : Part 23 : 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	49.5	60	NAAQS Guidelines
3	Sulphur dioxide (SO_2)	$\mu g/m^3$	16.4	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	11.1	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m^3	0.62	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O_3	$\mu g/m^3$	11.4	100	NAAQS Guidelines
7	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH_3	$\mu g/m^3$	BDL (<5)	400	NAAQS Guidelines
11	Benzene , C_6H_6	$\mu g/m^3$	BDL (<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

Authorized Signatory

- Analysis is subject to the condition In Which the Sample Is received at our Laboratory.
- Reports cannot be used as an evidence anywhere including judiciary purpose without our prior permission.
- Sample will be retained till one month from the date of sampling.

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Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/AA2
Address	F.P no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	SOUTHWEST CORNER OF SITE
		Date of Sampling	04.02.2020
Sampling Done By	Kartik Patel	**Date of Sample Received**	05.02.2020
Analysis Starts On	05.02.2020	**Sampling Instrument**	RDS, FPS
Analysis Completion On	14.02.2020	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1	Particulate Matter (PM_{10})	$\mu g/m^3$	83.5	100	IS 5182 : Part 23 : 2006
2	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	45.2	60	NAAQS Guidelines
3	Sulphur dioxide (SO_2)	$\mu g/m^3$	31.3	80	IS 5182 : Part 2 : 2001
4	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	33.4	80	IS 5182 : Part 6 : 2006
5	Carbon Monoxide CO	mg/m^3	0.51	2.0	IS 5182 : Part 10 : 1999
6	Ozone as O_3	$\mu g/m^3$	12.9	100	NAAQS Guidelines
7	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10	Ammonia as NH_3	$\mu g/m^3$	BDL (<5)	400	NAAQS Guidelines
11	Benzene , C_6H_6	$\mu g/m^3$	BDL(<0.01)	5.0	IS 5182 (Part 11):2006
12	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

Authorized Signatory

GREEN CIRCLE, INC.

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Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/AA3
Address	F.P.no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	NORTHEAST CORNER OF SITE
		Date of Sampling	04.02.2020
Sampling Done By	Kartik Patel	**Date of Sample Received**	05.02.2020
Analysis Starts On	05.02.2020	**Sampling Instrument**	RDS, FPS
Analysis Completion On	14.02.2020	**Sampling Method**	IS 5182 : Part 5 : 1975

AMBIENT AIR ANALYSIS RESULTS

Sr. No.	Parameters	Unit	Results	National Ambient Air Quality Standards (NAAQS) amended 2009	Reference Method
1.	Particulate Matter (PM_{10})	$\mu g/m^3$	85.8	100	IS 5182 : Part 23 : 2006
2.	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	49.6	60	NAAQS Guidelines
3.	Sulphur dioxide (SO_2)	$\mu g/m^3$	18.5	80	IS 5182 : Part 2 : 2001
4.	Oxides of Nitrogen (NO_X)	$\mu g/m^3$	29.4	80	IS 5182 : Part 6 : 2006
5.	Carbon Monoxide CO	mg/m^3	0.51	2.0	IS 5182 : Part 10 : 1999
6.	Ozone as O_3	$\mu g/m^3$	10.2	100	NAAQS Guidelines
7.	Lead as Pb	$\mu g/m^3$	BDL (<0.1)	1.0	NAAQS Guidelines
8.	Nickel as Ni	ng/m^3	BDL (<1)	20	NAAQS Guidelines
9.	Arsenic as As	ng/m^3	BDL (<1)	6.0	NAAQS Guidelines
10.	Ammonia as NH_3	$\mu g/m^3$	BDL (<5)	400	NAAQS Guidelines
11.	Benzene , C_6H_6	$\mu g/m^3$	BDL(<0.01)	5.0	IS 5182 (Part 11):2006
12.	Benzo (a) Pyrene	ng/m^3	BDL (<0.1)	1.0	Gas Chromatography

GREEN CIRCLE INC. BARODA

Authorized Signatory

- Analysis is subject to the condition In Which the Sample Is received at our Laboratory.
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- Sample will be retained till one month from the date of sampling.

GREEN CIRCLE, INC.

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(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client Details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/N1 – N3
Address	F.P.no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	As per table
		Quantity	NA
		Date of Measurement	08.02.2020
		Sampling Instrument	Sound Level Meter (HTC/SL-1352)
Measurement Done By	Kartik Patel	**Sampling Method**	HTC/SL-1352 Inst. Manual

NOISE MONITORING RESULTS

Sr. No.	**Location Name**	**Units**	**Day Time**		**Night Time**	
			Results	**MPCB Permissible Limit**	**Results**	**MPCB Permissible Limit**
1.	Near Security Gate	dB (A)	43.1	55	31.1	45
2.	Southwest Corner of the Site	dB (A)	39.2	55	28.4	45
3.	Northeast Corner of the Site	dB (A)	38.6	55	28.9	45

Limits: Maharashtra pollution Control Board has prescribed 55dB (A) as an upper limit of noise level during day time and 45 dB (A) during night time for residential area.

Authorized Signatory

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(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client Details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/S1
Address	F.P.no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	SOIL – GREEN BELT AREA
		Quantity	2.0 kg
Sampling Done By	Kartik Patel	**Date of Sampling**	04.02.2020
Analysis Starts on	05.02.2020	**Sample Received Date**	05.02.2020
Analysis Completion On	14.02.2020		

SOIL ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Test Procedure
1	pH (1:5 Soil Suspension)	-	6.6	IS 2720 (Part 26):1987
2	Electrical Conductivity (1:5 Soil Suspension)	mS/cm	0.43	EPA Method 9045
3	Total Nitrogen as N	mg/kg	54.6	Kjeldahl Method
4	Phosphate as P	mg/kg	62.8	Olsen Method
5	Potasium as K	mg/kg	221	EPA 3050 B
6	Exchangeable Calcium as Ca	meq/100g	15.9	EPA 3050 B
7	Exchangeable Magnesium as Mg	meq/100g	14.8	EPA3050 B
8	Exchangeable Sodium as Na	meq/100g	0.78	EPA3050 B
9	Organic Matter	%	1.71	Walkey and Black Method
10	Texture	-	Sandy Clay	Robinson Pipette Method

BDL =Below Detectable Limit **DL =Detectable Limit**

GREEN CIRCLE INC. BARODA

Authorized Signatory

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- Sample will be retained till one month from the date of sampling.

GREEN CIRCLE, INC.

Integrated HSEQR Consulting Engineers, Scientists & Trainers
(Recognised By Ministry of Environment, Forest and Climate Change, New Delhi Under EPA 1986)
(No. Q - 1508 / 32 / 2007 - CPW)
(ISO 9001, 14001 & OHSAS 18001 Certified Organisation)

Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client Details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/DW
Address	F.P.no. 105, s. No. 343/2, tadiwala road, Sangam wadi, Haveli, pune	**Location**	Water supply at Project Site
		Quantity	2000 ml
Sampling Done By	Kartik Patel	**Date of Sampling**	04.02.2020
Analysis Starts on	05.02.2020	**Sampling Method**	APHA 1060
Analysis Completion On	14.02.2020	**Sample Received Date**	05.02.2020

DRINKING WATER ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	Permissible Limit as per IS 10500-2012	Reference Method
1	Colour	Hazen	Nil	5	APHA 22nd EDITION
2	Odour	-	No Odour	Unobjectionable	APHA 22nd EDITION
3	Taste	-	Agreeable	Agreeable	APHA 22nd EDITION
4	Turbidity	NTU	BDL(<0.5)	1	IS : 3025 Part 10-1984 (Reaff: 2002)
5	pH at 25 °C	-	6.6	6.5-8.5	IS : 3025 Part 11- 1983 (Reaff:2002)
6	Total Dissolved Solids	mg/l	231	500	IS : 3025 Part 16-1984 (Reaff:2003)
7	Total Alkalinity as CaCO3	mg/l	97	200	IS : 3025 Part 23- 986(Reaff:2003)
8	Total Hardness as CaCO3	mg/l	88	200	IS : 3025 Part 21-2009
9	Calcium as Ca	mg/l	45	75	IS : 3025 Part 40-1991 (Reaff:2003)
10	Magnesium as Mg	mg/l	15	30	APHA 22nd EDITION-3500 Mg-B
11	Chloride as Cl-	mg/l	83	250	IS : 3025 Part 32-1988 (Reaff:2003)
12	Sulphate as SO4	mg/l	71	200	APHA 22nd EDN-4500- SO42- E
13	Nitrate as NO3	mg/l	23	45	APHA 22nd EDN -4500- NO3- B
14	Iron as Fe	mg/l	0.12	0.30	IS : 3025 Part 53-2003
15	Manganese as Mn	mg/l	BDL (<0.02)	0.10	APHA 22nd EDN -3500-Mn D
16	Fluoride as F	mg/l	0.48	1.00	APHA 22nd EDN -4500-F B&D
17	Lead as Pb	mg/l	BDL (<0.03)	0.05	IS:3025 Part 47 (Reaff:2003)
18	Copper as Cu	mg/l	BDL (<0.03)	0.05	IS:3025 Part 42 (Reaff:2003)
19	Zinc as Zn	mg/l	0.72	5.00	IS:3025 Part:49 (Reaff:2003)
20	Hexavalent Chromium as Cr^{6+}	mg/l	BDL (<0.03)	0.05	IS:3025 Part:37 (Reaff:2003)
21	Residual Free Chlorine as Cl2	mg/l	BDL (<0.10)	0.20	APHA 22nd EDN -4500-Cl B
22	Cadium as Cd	mg/l	BDL (<0.03)	0.003	IS:3025 Part 48(Reaff:2003)
23	Aluminium	mg/l	BDL (<0.03)	0.03	IS:3025 Part:55 (Reaff:2003)

BDL =Below Detectable Limit

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Report No:-GCI/V/LAB/PEM/February-00/0051 **Date: 14/02/2020**

ANALYSIS REPORT

Client Details		**Sample Details**	
Name	'Residential project' By Prakruti constructions pvt. Ltd.	**Sample Code**	GCI/V/20/B1/RPPC/DG
		Location	62.5 KVA DG set
Address	F.P.no. 105, s. No. 343/2, tadiwala road pune	**Date of Sampling**	11.02.2020
		Sampling Method	APHA 1060
Sampling Done By	Kartik Patel		

DG STACK EMISSION ANALYSIS RESULTS

Sr. No.	Parameter	Unit	Results	MPCB Standard	Reference Method
1	Capacity of DG	KVA	62.5	-	-
2	Material of DG	-	MS	-	-
3	Stack Height	m	4.0	-	-
4	Shape of Stack	-	round	-	-
5	Diameter of Stack	m	0.3	-	-
6	Flue gas temperature	^0C	250	-	-
7	Gas quantity	Nm^3/hr	1520.3	-	-
8	Stack emission			-	-
a	Particulate Matter (PM10)	mg/N m^3	58.5	150 mg/N m^3	IS 11255 : Part 1
b	Sulphur dioxide (SO2)	$\mu g/m^3$	26.4	-	IS 11255 : Part 2
c	Oxides of Nitrogen (NOX)	$\mu g/m^3$	91.1	-	IS 11255 : Part 7

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Budget for Environment Management Plan

Construction Phase:

Sr. No.	Attributes	Parameter	Total cost in Lakhs per annum
1	Air environment	Water For Dust Suppression	2.0
2	Air Environment	Air & Noise Monitoring	
3	Water Environment	Tanker Water For Construction & Water Monitoring	2.5
4	Land Environment	Site Sanitation	1.5
5	Socioeconomic Environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Personal Protective Equipment	4.5
6	Environment Monitoring	Air,water ,Noise & DG stack monitoring	2.0
		Total Cost	**12.5**

Operation Phase:

Sr. No.	Component	Pollution Control Measures	Capital Cost (Rs. Lakhs)	Recurring Cost Per Annum (Rs. Lakhs)
1.	Waste water Management	Sewage Treatment Plant	22.40	7.80
2.	Rain Water Harvesting	No. of pits	5	0.75
3.	Solid Waste	To assure proper disposal of Dry and Wet Waste, 1 no OWCwill be provided	14.75	2.80
4.	Landscaping	Plantation & gardening	10.0	1.8
5.	Energy saving	With all said energy saving measures like solar panels and solar water heaters	52.36	1.30
6.	Environmental Monitoring	Air, Noise, Water, Effluent tests as per government norms	-	2.5
		Total	**104.51**	**16.95**

राधाकृष्ण विखे-पाटील 'डेंजर झोन'मध्ये

मटा विश्लेषण

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नगर : सुभेदारांच्या नगर जिल्ह्यात एकच एक हुकमी नेतृत्व कोणीही मानले जात नव्हते व तसा प्रयत्न केल्यास स्वपक्षातूनच त्याला विरोध होण्याची परंपरा नगरला होती. यावर मात करण्यासाठी व जिल्ह्यात स्वतःचे एकमुखी नेतृत्व निर्माण करण्यासाठी भाजपच्या जवळिकीचा फायदा उठविण्याचा प्रयत्न राधाकृष्ण विखे यांनी केला. मात्र, जिल्हा पुरता 'ओळखून' असलेले राष्ट्रवादी काँग्रेसचे अध्यक्ष शरद पवार यांनी विखेंचा हा डाव उधळून पाडला. एवढेच नव्हे तर जिल्ह्याच्या आणि राज्याच्या राजकारणातही विखे आता 'डेंजर झोन'मध्ये जाऊन पडले आहेत. जिल्ह्यातून संभाव्य मंत्र्यांच्या यादीत अनेक नावे येत नसेत म्हणून जिल्ह्याचे एकहाती नेतृत्व करण्याची, त्यातून राज्यातील राजकीय वजन वाढविण्याची त्यांची सुप्त इच्छा जागी झाली. जिल्ह्यात १२-० (म्हणजे सर्व जागा भाजप-सेनेला जिंकून देण्याची) घोषणा त्यांनी केली. जिल्ह्यातील सर्व मतदारसंघात लक्ष घालताना भाजपच्या राज्य आणि राष्ट्रीय नेत्यांचा विश्वास सुभेदारांच्या राजकारणात मात्र असे घडू शकलेले नाही. विखेंचे वडील ज्येष्ठ नेते (स्व.) बाळासाहेब विखे यांनीही जिल्ह्यात आपले एकमुखी नेतृत्व करण्याचा प्रयत्न केला होता. त्यासाठी त्यांनी तालुका विकास आघाड्यांचे राजकारणही केले होते. पण त्यावेळीही विखे विरुद्ध जिल्हा असेच चित्र राहिले.

विजयानंतर रोहित पवार यांची कर्जत शहरातून गुरुवारी मिरवणूक काढण्यात आली.

सत्ताधारी भाजप-शिवसेनेत प्रवेश करून उमेदवारी मिळवलेल्या नेत्यांना मतदारांनी पावेळी घरचा रस्ता दाखवला आहे. राज्यातील अशा ३५ जणांपैकी जवळपास निम्म्या जणांना पराभवाची चव चाखावी लागली आहे.

विधानसभा निवडणुकीच्या तोंडावर दोन्ही काँग्रेसमधील ३५ मातब्बर पुढाऱ्यांनी सत्ताधारी भाजप आणि शिवसेनेत प्रवेश करून उमेदवारी पदरात पाडून घेतली होती. त्यातील १६ उमेदवारांना मतदारांनी घरचा रस्ता दाखविला आहे. पक्षांतर केलेल्या नेत्यांची यादी पाहता, आघाडीतून युतीमध्ये गेलेल्या नेत्यांमध्ये भाजपमध्ये गेलेल्या नेत्यांच्या यशाचे प्रमाण जास्त असून, शिवसेनेत गेलेल्या नेत्यांना १० जणांपैकी सहा जण, तर राष्ट्रवादीतून भाजपमध्ये आलेल्या सहाजणांपैकी पाच जण विजयी झाले. काँग्रेसमधून शिवसेनेत गेलेल्या चार जणांपैकी केवळ सिल्लोडमध्ये अब्दुल सत्तार यांचा विजय झाला. राष्ट्रवादीतून शिवसेनेत गेलेल्या सहा नेत्यांमध्ये फक्त भास्कर जाधव यांचा गुहागर मतदारसंघातून विजय झाला. माजी मंत्री व भाजपचे उमेदवार हर्षवर्धन पाटील यांचा इंदापूरमध्ये राष्ट्रवादीचे दत्तात्रय भरणे यांनी दारुण पराभव केला आहे. शिवसेनेच्या तिकिटावर लढणारे माजी मंत्री दिलीप सोपल यांचा बार्शीत पराभव झाला असून, भाजपच्या राणी बागल यांनाही करमाळ्यात पराभव स्वीकारावा लागला आहे.

पूर्ण करू शकेल, असा विश्वास वाटत नसेल, तर त्यांना नाकारण्याचा अधिकार मतदाराला मिळावा यासाठी काही वर्षांपूर्वी 'वरीलपैकी कोणीही नाही' म्हणजेच 'नोटा' हा पर्याय तयार करण्यात आला. या पर्यायाचा मतदारांनी यंदाच्या लोकसभा आणि गुरुवारी निकाल लागलेल्या विधानसभा निवडणुकीमध्ये मोठ्या प्रमाणावर वापर केला आहे. अनेक मतदारसंघांमध्ये 'नोटा'ला मिळालेल्या मतांची आकडेवारी हजारोंच्या घरात आहे. काही मतदारसंघांमध्ये 'नोटा'ने काही दिग्गज नेत्यांना जोरदार झटका दिला आहे. त्यामध्ये लातूर ग्रामीण, पलूस-कडेगाव आणि पनवेल मतदारसंघांचा प्रामुख्याने उल्लेख करावा लागेल.

नोटा मतांच्या आकडेवारीत लातूर ग्रामीण विधानसभा मतदारसंघ चर्चेचा विषय ठरला आहे. या ठिकाणी दिवंगत, माजी मुख्यमंत्री विलासराव देशमुख यांचे पुत्र धीरज देशमुख, तर विद्यमान आमदार त्र्यंबक भिसे यांच्यात अटीतटीची लढत रंगली होती. यामध्ये धीरज देशमुख सर्वाधिक मते मिळवून विजयी झाले. मात्र त्यांच्या खालोखाल मतदारांनी 'नोटा'च्या पर्यायाला पसंती दिली. या मतदारसंघात तब्बल २७ हजार ६१९ मतदारांनी 'नोटा'चा पर्याय स्वीकारला आहे.

हजार ३७१ मतदारांनी निवडणुकीत उभ्या असलेल्या प्रत्येक उमेदवाराला नापसंती दर्शवत 'नोटा'चे बटण दाबले. सांगली जिल्ह्यातील पलूस कडेगाव विधानसभा मतदारसंघातून काँग्रेसचे उमेदवार विद्यमान आमदार विश्वजित कदम यांना १,७१,४९७ मते मिळाली. कदम यांच्या विरोधातील शिवसेनेचे जिल्हा प्रमुख संजय विभुते यांना केवळ ८९७६ मते मिळविता आली. कदम यांनी १,६२,५२१ मताधिक्य घेत विजय मिळविला आहे. मात्र, या मतदारसंघात दुसऱ्या क्रमांकाची २०,६३१ मते 'नोटा'ला मिळाली आहेत.