



Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,

Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162, 2612212, Cell:9326279040

Email: mahabal.nagpur@gmail.com, mahabal.laboratory@gmail.com



Test Report

Report No.: ME-NG14317-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference	
		Verbal discussion	
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	Near Main Gate	Sample Quantity/Packing	PM ₁₀ :Filter paper: 1 X 1 No. PM _{2.5} :Filter paper:1 X 1 No. SO ₂ :30 mL X 2 No. PVC Bottle NO ₂ :30 mL X 2 No. PVC Bottle CO: Bladder: 2L X 1 No.
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As per Method reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	30.09.2022

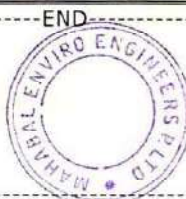
Sr. No.	Parameter	Unit	Result	#NAAQM Standard	Method Reference
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)					
Location		Near Main Gate		Duration of Survey	8 hours
1	Sulphur Dioxide (SO ₂)	µg/m ³	6.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	9.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	58	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	17	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m ³	0.86	4	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

Remarks: TWA - Time Weighted Average, #- NAAQS specified as: 24 h. TWA in case of SO₂, NO₂, PM₁₀, PM_{2.5}; 1 h. Standard in case of Carbon Monoxide

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



Note:

- The result listed refers only to the tested sample(s) and applicable parameter(s).
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Page 1 of 1

QF/SALE/03/Issue No 03 Dt 05.12.2019,Amd 01 Dt 01.03.2020

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
(Turn Opp Toyota Show Room 600 m from Hotel Rukhmini Palace. Next to Ashida Electrical. Near J B Sawant Bus Stop)
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ULR-TC748722000013288F



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Test Report

Report No.: ME-NG14318-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference	
		Verbal discussion	
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity/Packing	PM ₁₀ :Filter paper: 1 X 1 No. PM _{2.5} :Filter paper:1 X 1 No. SO ₂ :30 mL X 2 No. PVC Bottle NO ₂ :30 mL X 2 No. PVC Bottle CO: Bladder: 2L X 1 No.
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As per Method reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	30.09.2022

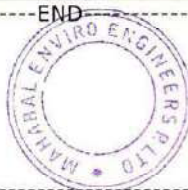
Sr. No.	Parameter	Unit	Result	#NAAQM Standard	Method Reference
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)					
Location		Project Site		Duration of Survey	8 hours
1	Sulphur Dioxide (SO ₂)	µg/m ³	7.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	10.0	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	55	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	15	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m ³	0.96	4	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

Remarks: TWA - Time Weighted Average, #- NAAQS specified as: 24 h. TWA in case of SO₂, NO₂, PM₁₀, PM_{2.5}; 1 h. Standard in case of Carbon Monoxide

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet



Report No.14629 Continued...

Sr. No.	Parameter	Unit	Result	Method Reference
14	Fluoride (as F)	mg/L	BQL (LOQ:0.05)	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
15	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
16	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 5540-C, 5-55
17	Phenolic compounds (as C ₆ H ₅ OH)	mg/L	BQL (LOQ:0.001)	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)				
18	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500- Cr-B, 3-71
19	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
20	Iron (as Fe)	mg/L	0.065	IS 3025 (Part 2) 2019
21	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
22	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025 (Part 2) 2019
23	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
24	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025 (Part 2) 2019
25	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	IS 3025 (Part 2) 2019
26	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025 (Part 2) 2019
Discipline: Biological Testing; Product Group: Water (Drinking Water)				
27	Total Coliforms	P-A/ 100 mL	Absent	IS 15185: 2016
28	E-Coli	P-A/ 100 mL	Absent	IS 15185: 2016
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi
TECHNICAL MANAGER
(Chemical Testing)



Shital N. Lakhorkar
GROUP INCHARGE
(Biological Testing)



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Test Report

TC-7487

Report No.: ME-NG14629-221012-SA-ABHI-PUNE		Date: 12.10.2022	
Name and Address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference
			Telephonic Discussion
Sample Description/Type	Drinking Water	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity/Packing	2L X 1 No. PVC Can 500mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	28.09.2022	Date of Receipt of Sample	29.09.2022
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	29.09.2022	Date of Completion of Analysis	07.10.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Drinking Water)				
1	Colour	Hazen	BQL (LOQ:1)	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	Taste	-	Agreeable	IS 3025 (Part 7 & 8):1984, Reaffirmed 2017
4	Turbidity	NTU	0.2	APHA 23 rd Ed. 2017, 2130-B, 2-13
5	pH	-	7.9	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
6	Total Dissolved Solids	mg/L	31	IS 3025 (Part 16):1984 Reaffirmed 2017, Ed.2.1(1999-12)
7	Total Hardness (as CaCO ₃)	mg/L	24	APHA 23 rd Ed. 2017, 2340-C, 2-48
8	Calcium (as Ca)	mg/L	7.2	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
9	Magnesium (as Mg)	mg/L	1.5	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
10	Alkalinity Total (as CaCO ₃)	mg/L	22	IS 3025 (Part 23):1986 RA 2019 Amds 1
11	Chloride (as Cl)	mg/L	4.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
12	Sulphate (as SO ₄)	mg/L	BQL (LOQ:1)	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
13	Nitrate (as NO ₃)	mg/L	0.61	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131



Signature

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ULR- TC748722000013584F



Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Continuation Sheet



Report No.14630 Continued...

Sr. No.	Parameter	Unit	Result	Method Reference
12	Nitrate (as NO ₃)	mg/L	24.6	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Fluoride (as F)	mg/L	0.406	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
14	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
15	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 5540-C, 5-55
16	Phenolic compounds (as C ₆ H ₅ OH)	mg/L	BQL (LOQ:0.001)	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)				
17	Chromium Hexa (as Cr ⁶⁺)	mg/L	BQL (LOQ:0.02)	APHA 23 rd Ed. 2017, 3500- Cr-B, 3-71
18	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 23 rd Ed. 2017, 3112-B, 3-25
19	Iron (as Fe)	mg/L	0.112	IS 3025 (Part 2) 2019
20	Manganese (as Mn)	mg/L	0.012	IS 3025 (Part 2) 2019
21	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025 (Part 2) 2019
22	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
23	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025 (Part 2) 2019
24	Zinc (as Zn)	mg/L	0.038	IS 3025 (Part 2) 2019
25	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025 (Part 2) 2019
Discipline: Biological Testing; Product Group: Water (Ground Water)				
26	Total Coliforms	MPN/100mL	<1.1	APHA 23 rd Ed. 2017, 9221-B, 9-69
27	E-Coli	MPN/100mL	Absent	APHA 23 rd Ed. 2017, 9221-B E & G, 9-69, 9-77, 9-80
Remarks: BQL: Below Quantification Limit; LOQ: Limit of Quantification.				

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi
TECHNICAL MANAGER
(Chemical Testing)



Shital N. Lakhorkar
GROUP INCHARGE
(Biological Testing)



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Test Report

TC-7487

Report No.: ME-NG14630-221012-SA-ABHI-PUNE			Date: 12.10.2022
Name and Address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference
			Telephonic Discussion
Sample Description/Type	Ground Water	Sample Collected by	Laboratory
Sampling Location	Surrounding Area	Sample Quantity/Packing	2L X 1 No. PVC Can 500mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	28.09.2022	Date of Receipt of Sample	29.09.2022
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	29.09.2022	Date of Completion of Analysis	07.10.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Ground Water)				
1	Colour	Hazen	BQL (LOQ:1)	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2018
3	Turbidity	NTU	2.3	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	7.4	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Total Dissolved Solids	mg/L	302	IS 3025 (Part 16):1984 Reaffirmed 2017, Ed.2.1(1999-12)
6	Total Hardness (as CaCO ₃)	mg/L	184	APHA 23 rd Ed. 2017, 2340-C, 2-48
7	Calcium (as Ca)	mg/L	44.9	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
8	Magnesium (as Mg)	mg/L	17.5	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
9	Alkalinity Total (as CaCO ₃)	mg/L	160	IS 3025 (Part 23):1986 RA 2019 Amds 1
10	Chloride (as Cl)	mg/L	46.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	18.4	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199



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Signature

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Test Report

Report No.: ME-NG14319-221004-SA-ABHI-PUNE		Date: 04.10.2022
Name and Address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference:
		Telephonic Discussion
Date of Sampling	23.09.2022	
Sampling Procedure	IS 9876:1981	

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)

Sr. No.	Location	Time in h	Sound Level dB(A) Fast Response	Sound Level dB(A) Slow Response
1	Near Main Gate	09:05	54.6	53.1
		22:00	44.0	43.8
2	Near Project Site	09:25	54.1	53.2
		22:10	43.7	42.5

THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

Area Code	Category of Area /Zone	Limit in dB(A) weighted scale	
		Day Time (6:00a.m. to 10:00 p.m.)	Night Time (10:00 p.m. to 6:00 a.m.)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Remarks:

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



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Test Report

Report No.: ME-NG14322-221004-SA-ABHI-PUNE		Date: 04.10.2022
Name and Address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference:
		Telephonic Discussion
Sample Description/Type	Noise Level Monitoring	
Date of Sampling	23.09.2022	
Sampling Procedure	IS 9876:1981	

Discipline: Chemical Testing; Product Group: Atmospheric Pollution
(Source Noise Excluding Vibrations)

Sr. No	Location	Unit	Result			Limit as per EPA Rule 1986
			Inside	Outside	Insertion loss	
1	D G Set (82.5 KVA)	dB(A)	96.2	71.1	25.1	1) For rated capacity more than 1000 KVA, insertion loss of Min. 25dB(A) or meeting the ambient noise standards whichever is on the higher side at different points at 0.5 m from the acoustic enclosure and averaged. 2) For rated capacity up to 1000 KVA, manufactured on or after the 1 st January 2005, the maximum permissible sound pressure level shall be 75 dB(A) at 1 metre from the enclosure surface.
2	D G Set (63 KVA)	dB(A)	92.9	67.6	25.3	

Remark:

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

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Test Report

Report No.: ME-NG14320N-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference
			Verbal discussion
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D. G. Set 82.5 kVA	Sample Quantity/Packing	SO ₂ :30mL X 1 No. PVC Can
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As Per Method Reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	29.09.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Details

Stack Identity	D.G. Set 82.5 KVA
Stack attached to	D. G. Set
Material of construction	M. S.
Stack height above ground level (Meter)	1.15
Stack diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	20

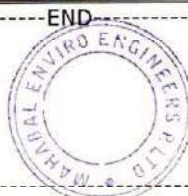
Parameter	Unit	Result	Method Reference
Sulphur Dioxide (SO ₂)	kg/day	0.059	IS 11255 (Part 2):1985; RA 2019

Remarks:

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



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Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

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Test Report

Report No.: ME-NG14320-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference	
		Verbal discussion	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D. G. Set 82.5 kVA	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30mL X 1 No. PVC Can NO _x :25mL X1No. PVC Bottle
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As Per Method Reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	29.09.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Details

Stack Identity	D.G. Set 82.5 KVA
Stack attached to	D. G. Set
Material of construction	M. S.
Stack height above ground level (Meter)	1.15
Stack diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	20

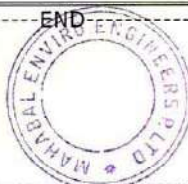
Parameter	Unit	Result	Method Reference
Flue gas Temperature	°C	105	IS 11255 (Part 3):2008; RA 2018
Flue gas Velocity	m/s	5.96	IS 11255 (Part 3):2008; RA 2018
Total gas quantity	Nm ³ /h	130	IS 11255 (Part 3):2008; RA 2018
Particulate Matter (PM)	mg/Nm ³	27	IS 11255 (Part 1):1985; RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	19	IS 11255 (Part 2):1985; RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	138	IS 11255 (Part 7): 2005; RA 2017

Remarks:

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

TECHNICAL MANAGER



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Test Report

Report No.: ME-NG14321N-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference
			Verbal discussion
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D. G. Set 63 kVA	Sample Quantity/Packing	SO ₂ :30mL X 1 No. PVC Can
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As Per Method Reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	29.09.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Details

Stack Identity	D.G. Set 63 KVA
Stack attached to	D. G. Set
Material of construction	M. S.
Stack height above ground level (Meter)	3
Stack diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	-

Parameter	Unit	Result	Method Reference
Sulphur Dioxide (SO ₂)	kg/day	0.031	IS 11255 (Part 2):1985; RA 2019

Remarks:

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Test Report

Report No.: ME-NG14321-221004- SA-ABHIRUCHI-PUNE		Date: 04.10.2022	
Name and address of Customer	Paranjape Schemes Construction Ltd. "Abhiruchi", S.No. 24/1 (Part) + 25, at Village Dhayari, Tal. Haveli. Dist Pune.	Order Reference	
		Verbal discussion	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	D. G. Set 63 kVA	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30mL X 1 No. PVC Can NO _x :25mL X1No. PVC Bottle
Date of Sampling	23.09.2022	Date of Receipt of Sample	25.09.2022
Sampling Procedure	As Per Method Reference		
Date of Start of Analysis	26.09.2022	Date of Completion of Analysis	29.09.2022

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Details

Stack Identity	D.G. Set 63 KVA
Stack attached to	D. G. Set
Material of construction	M. S.
Stack height above ground level (Meter)	3
Stack diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	-

Parameter	Unit	Result	Method Reference
Flue gas Temperature	°C	101	IS 11255 (Part 3):2008; RA 2018
Flue gas Velocity	m/s	5.36	IS 11255 (Part 3):2008; RA 2018
Total gas quantity	Nm ³ /h	119	IS 11255 (Part 3):2008; RA 2018
Particulate Matter (PM)	mg/Nm ³	29	IS 11255 (Part 1):1985; RA 2019
Sulphur Dioxide (SO ₂)	mg/Nm ³	11	IS 11255 (Part 2):1985; RA 2019
Oxides of Nitrogen (NO _x)	mg/Nm ³	140	IS 11255 (Part 7): 2005; RA 2017

Remarks:

END

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Test Report

Report No.: ME-NG14631N-221012- SA-ABHIRUCHI-PUNE			Date: 12.10.2022
Name and Address of Customer	PARANJAPE SCHEMES CONSTRUCTION LTD. "ABHIRUCHI", S.No. 24/1 (Part) + 25, At Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference
			Verbal discussion
Sample Description/Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity/Packing	1 kg X 1No. Polyethene bag
Date of Sampling	28.09.2022	Date of Receipt of Sample	29.09.2022
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	03.10.2022	Date of Completion of Analysis	12.10.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)				
1	Chloride (as Cl)	mg/kg	110	USEPA / SW 846/ 9253
2	Sulphate (as SO ₄)	mg/kg	64.8	IS 2720 (Part XXVII):1977, RA 2001.
3	Oil & Grease	mg/kg	BQL (LOQ:5)	CPCB (HW) manual, Page No. 156
Remarks: All results are on as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification				

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.



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Test Report

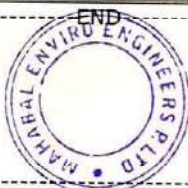
Report No.: ME-NG14631-221012- SA-ABHIRUCHI-PUNE	Date: 12.10.2022		
Name and Address of Customer	PARANJAPE SCHEMES CONSTRUCTION LTD. "ABHIRUCHI", S.No. 24/1 (Part) + 25, At Village Dhayari, Tal. Haveli. Dist Pune.		Order Reference:
			Verbal discussion
Sample Description/Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity/Packing	1 kg X 1No. Polyethene bag
Date of Sampling	28.09.2022	Date of Receipt of Sample	29.09.2022
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	03.10.2022	Date of Completion of Analysis	12.10.2022

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)				
1	pH (1:5 Suspension)	-	10.0	FAO 1976, Sec.III,1, Page No. 65
2	Moisture Content	%	14.0	IS 2720 (Part II): 1973, RA 2020, Ed. 3.1
3	Organic Carbon	%	0.292	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4-17, Page No 83.
4	Available Nitrogen (as N)	mg/kg	39.2	Manual Of Soil Testing, Department of Agriculture, & Cooperation, Ministry of Agriculture, Govt. India, Sec 4-17, Page No. 89
5	Available Phosphate (as P)	mg/kg	15.0	FAO 1976, Sec. III, 12-1, Page No. 157
6	Total Cadmium (as Cd)	mg/kg	BQL (LOQ:2)	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
7	Total Chromium (as Cr)	mg/kg	62.3	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
8	Total Copper (as Cu)	mg/kg	99.7	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
9	Total Lead (as Pb)	mg/kg	10.7	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
10	Total Zinc (as Zn)	mg/kg	60.5	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
Remarks: All results are on as received basis. BQL: Below Quantification Limit; LOQ: Limit of Quantification				

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Annexure III

ENVIRONMENT MONITORING REPORT

DG Set



School



Sanitary Facility



First Aid Box



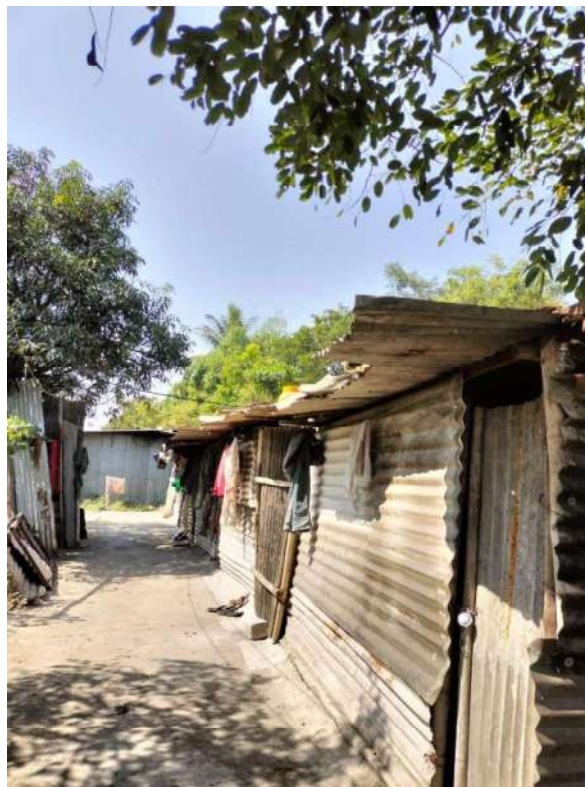
Drinking Water



OWC UNIT



LABOUR CAMP



Completed Building



Annexure II

SITE PHOTOGRAPHS

Construction on site



No	Condition	Compliance	☑	P
9.	The firm shall submit to this office, the 30 th day of September every year, the environment statement report for the financial year ending 31 st march in the prescribed form- V as per the provisions of rule 14 of the Environmental (Protection) Second Amended rule 1992.	PP will comply with the condition.		
10.	The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.	PP agrees with the condition		

No	Condition	Compliance	☑	P
5.	<p>Conditions for D.G. Set.</p> <p>a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.</p> <p>b) Industry Should provide acoustic enclosure for control pf noise. The acoustic enclosure / acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss will be done at different points at 0.5 meters from acoustic enclosure/ room and then average.</p> <p>c) The industry should take adequate measures for control of noise level its own source 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 reckoned between 10 p.m. to 6 a.m.</p> <p>d) Industry should make efforts to bring noise down level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.</p> <p>e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with th DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.</p> <p>f) D.G Set should be operated only in case of power failure.</p> <p>g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G set.</p> <p>h) The applicant should comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.</p>	<p>DG set is enclosed typed and DG exhaust monitoring also done.</p> <p>Monitoring reports are attached and results are within limit.</p>	✓	
6.	Solid waste - The applicant should provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rules, 2016 & E-Waste (M & H) Rules, 2011.	PP is complying with the condition.		
7.	Affidavit undertaking in respect of no change in the status of consent conditions & compliance of the consent conditions the draft can be downloaded from the official website of the MPCB.	Noted.		
8.	The treated sewage shall be disinfected using suitable disinfection method.	PP is complying with the condition		

No	Condition	Compliance	☑	P
3.	Drainage system should provide for collection of sewage effluent. Terminal manholes should be provided at the end of the collection system with arrangement for measuring the flow. No sewage should be admitted in the pipes/sewers downstream of the terminal manholes. No sewage should find its way other than in designed and provided collection system.	Yes, PP has provided all facilities for sample collection and Terminal manholes provided at the end of the collection system		
4.	Vehicles hired for bringing construction material to the site should be in good condition and should confirm to applicable air and noise emission standards and should be operated only during non-peak hours.	PP has complied with the condition.		

Schedule-IV


No	Condition	Compliance	☑	P
	Condition during construction phase			
	a) During construction phase, applicant shall provide temporary sewage and MSW treatment and disposal facility for the staff and worker quarters.	PP has provided soak pits for treating sewage and dustbins for MSW during construction phase.		
	b) During construction phase, the ambient and noise quality shall be maintained and should be closely monitored through MoEF laboratory	The noise Level as well as ambient air quality is being monitored regularly from MoEF recognized laboratory. Monitoring reports are provided.	✓	
	c) Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	The noise Level is being monitored regularly from MoEF recognized laboratory. Monitoring reports are provided.	✓	
	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 should pay to the Board for the services rendered in this behalf.	Yes, PP has provided all facilities for sample collection		
2.	The firm should strictly comply with water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act, 1986 and solid Waste Management Rules, 2016, Noise (pollution and control) Rules, 2000 and E-Waste (Management) Rules, 2011.	Noted by PP.		

Schedule-III

No	Condition							Compliance	☐	P
	Details of Bank Guarantees									
1.	SrNo	Consent (C to E/O/R)	Amount BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date	PP will comply with the condition.		
	1	C to E	2500000	Within 15 Days	Towards compliance of EC & consent to Establish conditions.	31.05.2026	30.09.2026			

Schedule-II

No	Condition	Compliance	☑	P																					
	Terms & conditions for compliance of Air Pollution Control:																								
1.	<p>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-</p> <table><tr><th>Sr. no</th><th>Stack Attached to</th><th>APC System</th><th>Height in Mtrs.</th><th>Type of Fuel</th><th>Quantity</th><th>UOM</th></tr><tr><td>S-1</td><td>DG Set 250 kVA</td><td>Acoustic Enclosure</td><td>2.5</td><td>HSD</td><td>50</td><td>Ltr/hr</td></tr><tr><td>S-2.</td><td>DG Set 160 kVA</td><td>Acoustic Enclosure</td><td>1.5</td><td>HSD</td><td>32</td><td>Ltr/hr</td></tr></table>	Sr. no	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity	UOM	S-1	DG Set 250 kVA	Acoustic Enclosure	2.5	HSD	50	Ltr/hr	S-2.	DG Set 160 kVA	Acoustic Enclosure	1.5	HSD	32	Ltr/hr	PP is complying with the condition. 82.5 kVA D.G.Set is provided with acoustic enclosure.		
Sr. no	Stack Attached to	APC System	Height in Mtrs.	Type of Fuel	Quantity	UOM																			
S-1	DG Set 250 kVA	Acoustic Enclosure	2.5	HSD	50	Ltr/hr																			
S-2.	DG Set 160 kVA	Acoustic Enclosure	1.5	HSD	32	Ltr/hr																			
2.	<p>The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards</p> <table><tr><td>Particulate matter</td><td>Not to exceed</td><td>150 mg/Nm³</td></tr></table>	Particulate matter	Not to exceed	150 mg/Nm ³	PP is complying with the condition.																				
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.	Noted by PP.																							
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).	Noted by PP.																							
5.	<p>Condition for utilities like Kitchen, Eating Places, Canteens: -</p> <p>a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.</p> <p>b) The toilet shall be provided with exhaust system connected to chimney through ducting.</p> <p>c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).</p>	Not Applicable.																							

No	Condition	Compliance		P						
4)	<div>The Applicant shall comply with the provision 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</div> <table><tr><td>Sr. no.</td><td>Purpose for water consumed</td><td>Water consumption quantity (CMD)</td></tr><tr><td>1</td><td>Domestic purpose</td><td>2000.00</td></tr></table>	Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)	1	Domestic purpose	2000.00	PP agrees to comply with the condition.		
Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)								
1	Domestic purpose	2000.00								
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.	PP agrees to comply with the condition.								


Schedule-I

No	Condition	Compliance	☑	P															
	<u>Terms & conditions for compliance of Water Pollution Control:</u>																		
1)	A] As per your application, you have proposed Provide MBBR based Sewage Treatment Plants (STP) of combined capacity 1590 CMD.	PP has complied with the condition. STP with MBBR technology is provided at site																	
	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 Rule made there under from time to time, whichever is stringent. <table><tr><td>Sr.No</td><td>Parameters</td><td>Standards prescribed by Board</td></tr><tr><td>1</td><td>BOD (3 DAYS 27°C)</td><td>10 mg/l.</td></tr><tr><td>2</td><td>Suspended Solids</td><td>20 mg/l.</td></tr><tr><td>3</td><td>COD</td><td>50 mg/l.</td></tr><tr><td>4</td><td>Residual Chlorine</td><td>1 ppm</td></tr></table>	Sr.No	Parameters	Standards prescribed by Board	1	BOD (3 DAYS 27°C)	10 mg/l.	2	Suspended Solids	20 mg/l.	3	COD	50 mg/l.	4	Residual Chlorine	1 ppm	PP will comply with the condition. STP effluent monitoring reports are attached.	✓	
Sr.No	Parameters	Standards prescribed by Board																	
1	BOD (3 DAYS 27°C)	10 mg/l.																	
2	Suspended Solids	20 mg/l.																	
3	COD	50 mg/l.																	
4	Residual Chlorine	1 ppm																	
	C] The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening and connected to local sewer line. In no case, domestic effluent shall find outside projects premise.	PP is complying with the condition. Treated effluent recycled is used for flushing gardening etc.																	
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 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	PP agrees to comply with the condition.																	
3)	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.	PP agrees with the condition.																	

No	Condition	Compliance	☑	P
9	This consent should not be constructed as an exemption from obtaining necessary this NOC/permission from any other Government agencies.	PP agrees with the condition		
10	PP shall provide STP so as to achieve the domestic effluent standards for the parameter BOD-10 mg/lit.	PP is complying with the condition. STP has been provided at site. And all parameters are analyzed at MoEF recognized laboratory. Monitoring reports are attached.	✓	
11	PP 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	Noted by PP.		
12	PP shall install organic waste digester along with composting/bio-digester (biogas) with composting facility for the treatment of wet garbage.	PP has complied with the condition. OWC is installed at site for completed buildings.		
13	PP shall make provision of charging of electric vehicles in at least 40% of total available parking area.	PP will comply with the condition.		
14	PP shall take adequate measure to control dust emission and noise level during construction phase.	PP will comply with the condition.		
15	PP Shall Submit an affidavit in Boards prescribed format within 15 days regarding compliance of C to E & Environmental Clearance.	PP will comply with the condition.		
16	The PP shall comply with the Environmental Clearance obtained vide no. SEIAA-EC-0000002129 dtd 27.02.2020 for construction project having total plot area of 101243 Sqm and total construction BUA of 289564.89 Sqm as per specific condition.	PP will comply with the condition.		

Condition of Consent to Establish

Consent No- Format 1.0/CAC-CELL/UAN No-0000112097/CE 2111000847
dated 22/11/2021

No	Condition					Compliance		P
4.	Conditions under Water (P&CP 1974 Act for discharge of effluent:							
	Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal	PP will comply with the condition. 60% should be reused & recycled and remaining should be discharged in municipal sewer.		
	1.	Trade effluent	NIL	NA	NA			
	2.	Domestic effluent	1353	As per Schedule-I	60% should be reused & recycled and remaining should be discharged in municipal sewer.			
5.	Conditions under Air (P&CP) Act, 1981 for air emissions:					PP will comply with the condition. D.G. Set of capacity 1 x 82.5 kVA is provided at site.		✓
	Sr. No.	Description of stack/source	Capacity	Numbers of Stack	Standards to be achieved			
	1	DG Set	160 KVA	1	Schedule-II			
	2	DG Set	250 kVA	1	Schedule-II			
6.	Conditions under Solid Waste Management Rules, 2016:					PP will comply with the condition. Biodegradable waste will be treated in OWC and will be used as manure for gardening and non-biodegradable waste will be handed over to authorized vendor.		
	Sr. No.	Type of Waste	Quantity & UoM	Treatment	Disposal			
	1	Biodegradable Waste	2506 Kg/Day	NA	Used as Manure for gardening			
	2	Non-Biodegradable Waste	3759 Kg/Day	NA	Handed over to authorized vendor/ local body dumping ground			
	3	STP Sludge	13 Kg/Day	STP	Used as Manure for gardening			
7	Conditions under Hazardous and other Wastes (M & TM) Rules, 2016 for treatment and Disposal of Hazardous waste;					PP will comply with the condition.		
	Sr.No	Category No	Quantity	UoM	Treatment			
	1	5.1 Used/ Spent Oil	50	Ltr/A	Recycle			
					Sale to Auth. Party/ Re-Processor			
8	The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be building on the industry.					PP agrees with the condition.		

No	Condition	Compliance	☑	P
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.	Noted by PP.		
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.	Noted. As per the Notification dated 29 th April, 2015 validity of Environment Clearance is 7 years.		
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.	PP agrees with the condition		
9.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Noted by PP.		
10.	Any appeal against this environmental clearance shall lie with National Green Tribunal (western Zone Bench, Pune), New Administrative Building, 1 st Floor D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted by PP.		

No	Condition	Compliance	☑	P
(liii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard and soft copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB.	Being complied with the condition. PP is submitting six monthly compliance reports.		
(liv)	The environmental statement for each year financial year ending 31 st March in Form -V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail	Being complied with the condition.		
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 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	PP agrees with the condition		
5.	In case of submission of false document and non-compliance of stipulated conditions, Authority/Environment Department will revoke or suspend the Environmental clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted by PP.		

No	Condition	Compliance	☑	P
(xlix)	The project management shall advertise at least in two local newspaper widely circulated in the region around the project, one of which shall be in 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 letters are available with the Maharashtra Pollution Control Board and may also be seen at website at http://ec.maharashtra.gov.in .	Being complied with the condition. The public notice is published in two local newspapers.		
(I)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department on 1 st June and 1 st December of each calendar year.	PP is regularly submitting half-yearly compliance reports to the concerned authorities. Submitting herewith an acknowledgment of six monthly compliance reports from October 2021 to March 2022.		
(li)	A copy of 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 put on the website of the Company by the proponent.	Copy of Environment Clearance has been submitted to Pune Municipal Corporation along with approval documents.		
(lii)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of mentioned 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 SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	Being complied with the condition.		

No	Condition	Compliance	☑	P
(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.	PP is complying with the condition. OWC will be provided for the treatment of wet waste.		
(xliv)	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB	PP is complying with the condition.		
(xlv)	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Being complied with the condition.		
(xlvi)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department	PP has obtained an amended EC dated 27.02.2020 from SEIAA, Maharashtra.		
(xlvii)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguard.	A separate qualified EHS team is working on site for implementation of the stipulated environmental safeguard.		
(xlviii)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This cost shall include as part of the project cost. The funds earmarked for the environment protection measures shall not diverted for other purposes and year-wise expenditure should reported to MPCB and this department	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(xxxvii)	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	PP will comply with the condition.		
(xxxviii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	Being complied with the condition. The distance between two buildings is as per PMC DCR.		
(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	EHS team working at the site is responsible for day-to-day monitoring and implementation of EMP.		
(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.	PP has started construction after getting Environmental Clearance.	✓	
(xli)	Six monthly monitoring reports should be submitted to the Regional Office, MoEF, Bhopal with copy to this department and MPCB.	Six monthly monitoring reports are attached.	✓	
(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	PP is complying with the condition. STP installation is under construction and plantation will be carried out as per pre-plantation manner for completed buildings.		

No	Condition	Compliance	☑	P
(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 disposal of/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heater system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	PP is complying with the condition. Solar panel installation is ongoing on-site.		
(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 of 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.	PP is complying with the condition. D.G Set of capacity 1x250 kVA & 1 x 160 kVA will be provided at the site as a source of power supply and will be provided with an acoustic enclosure.		
(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	The noise Level is being monitored in day and night time regularly from MoEF and NABL recognized laboratory. Monitoring reports are attached.	✓	
(xxxvi)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(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 / reused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP	PP is complying with the condition. 900 m ³ /day & 280 m ³ /day capacities of STP are provided at site.		
(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	PP is not using groundwater at the construction site.		
(xxix)	Separation of gray and black water should be done by the use of dual plumbing line for separation of grey and black water	PP will comply with the condition. PP has provided a dual plumbing system for completed buildings for use of treated wastewater from STP.		
(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.	PP is complying with the condition.		
(xxxi)	Use of glass may be reduced up to 40% reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	PP is complying with the condition.		
(xxxii)	Roof should meet prescriptive requirement as per energy conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	PP is complying with the condition.		

No	Condition	Compliance	☑	P
(xxi)	Ambient noise levels should confirm to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	The noise level, as well as air pollution, is being monitored regularly from the MoEF-recognized laboratory. Monitoring reports are provided.	✓	
(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 27 th August 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).	PP is using Fly ash in construction material.		
(xxiii)	Ready mixed concrete must be used in building construction	PP is using ready mixed concrete for the construction of a building.		
(xxiv)	Storm water control and its re-use as per CGWB and BIS standards for various applications	PP is complying with the condition.		
(xxv)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred	PP uses several measures for water conservation such as use of premixed concrete, slab ponding and use of jute cloth for curing purposes.		
(xxvi)	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	The groundwater quality and level monitoring report is attached herewith.	✓	

No	Condition	Compliance	☑	P
(xv)	Soil and groundwater 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 sample from the Project site and ground water from the surrounding area of the project site has been tested as per the ISO: 10500 from MoEF and NABL accredited Lab. Monitoring Reports for the same are provided.	✓	
(xvi)	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourse and the dumpsites for such material must be secured so that they should not leach into the ground water	Ground water is not contaminated due to any construction material. Groundwater quality monitoring reports are attached.	✓	
(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	As it is a residential project, so no hazardous waste is generating at site.		
(xviii)	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards	During the Construction phase, PP is using 1 DG set of capacity 82.5 kVA for emergency backup. This DG set is enclosed type and conforms to rules made under Environment (protection) act 1986, prescribed for air and noise emission standards. DG Set stack emission monitoring reports are attached.	✓	✓
(xix)	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken	Diesel is not stored at the site. As DG sets are used in case of power failure only, diesel is procured as per requirement.		
(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	Regular maintenance of construction vehicles is carried out to keep them in good condition during Construction Phase. PUC is checked regularly.		

No	Condition	Compliance	☑	P
(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 dry and wet garbage will be segregated at the source. The dry garbage will be handed over to municipal solid waste vehicles after the recovery of recyclable material. Wet garbage will be treated using an organic waste converter and recyclable waste will be handed over to an authorized recycler in operation phase.		
(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	Re-utilization and recycling strategies for construction debris have been followed. The excavated material is being used for backfilling and leveling work within the project area.		
(xi)	Arrangement shall be made that waste water and storm water do not get mixed	PP has provided separate lines for wastewater and stormwater. Stormwater is feeded to STP and reused for Gardening and flushing.		
(xii)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	PP has complied with the condition. The topsoil has been stored at a separate location and will be used for landscaping purposes.		
(xiii)	Additional soil for leveling of the proposed site shall be generated within the site (to the extent possible) so that natural drainage system of the area is protected and improved.	PP is complying with the condition. The excavated soil from the project site is being used for backfilling and leveling work. Additional soil is stored at a separate location and will be used for backfilling and leveling work in future development.		
(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.	Plantation of trees has been done at the site.		✓

No	Condition	Compliance	☑	P
(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 and it should ensure the same along with survey number before approving layout plan and 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 area.	Being Complied with the condition. PP has obtained approval from Pune Municipal Corporation.		
(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	PP has received Consent to Establishment from Maharashtra Pollution Control Board. Letter No-Format 1.0/CAC-Cell/UAN No.0000005041/CE 2002000072 dated 01/02/2020.		
(vii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase	Temporary sanitation facility with separate toilets for ladies and gents are provided before starting construction.		✓
(viii)	Adequate drinking water and sanitary should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid waste generated during the construction phase should be ensured.	Separate 5000 Liters of tanker for drinking and raw water facility is provided at the site for workers. Septic tanks and soak pits are provided for the collection of sewage generated from the labor camps.		✓

Compliance Status of EC Conditions

Environment Clearance Letter No. SEAC-III/CR131/TC-3 dated 28th Jan. 2016 & Amendment EC No. SEAC-0000000270 dated on 4th May 2018.

No	Condition	Compliance	☑	P
	<u>GENERAL CONDITIONS:</u>			
(i)	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	This is residential construction project so no E-waste is generated at site.		
(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.	PP will comply with the condition. PP has obtained part occupancy certificate for completed buildings to Pune Municipal Corporation (PMC).		
(iii)	This environmental clearance is issued subject to obtaining NOC from Forestry and Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable and this environment clearance does not necessarily implies that Forestry and Wild life clearance granted to the project which will be considered separately on merit.	The project site is in the residential zone of Pune Municipal Corporation. There is no wildlife sanctuary/ National Park within a 10 km radius from the project site.		
(iv)	PP has to abide by the conditions stipulated by SEAC and SEIAA.	PP is complying with the condition.		

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Environmental Clearance Compliance Report

April 2022 to September 2022

Paranjape Schemes (Construction) Limited.

Paranjape Abhiruchi Parisar

at Village Dhayari, Taluka Haveli, Pune

**(Environmental Clearance Letter no. SEAC-III/CR
131/TC-3 dated 28th January, 2016 & Amendment EC
No SEAC-0000000270 dated on 4th May 2018
Expansion EC No SEAC- 0000003069 dated on 27th
February 2022)**



11th Nov, 2022

To,
The Director
Regional Office (West Central Zone),
Ministry of Environment, Forest and Climate Change,
Ground Floor, East wing,
New Secretariat Building,
Civil lane, Nagpur-440001

Subject: Half-yearly Compliance Report: April 2022 to September 2022

Project: Residential Project "Paranjape Abhiruchi Parisar" at, S.No.24/1 (part)+25, at Village Dhayari. Taluka Haveli, District Pune by M/s. Paranjape Schemes (Construction) Ltd

EC No: SEIAA-EC-0000002129 Dated 27th Feb 2020

Dear Sir,

We are submitting half-yearly Compliance Report (hard & soft copy) in respect of the stipulated terms and conditions of 'Prior Environmental Clearance' as specified in 'Environment Clearance' Notification Clause No. 10(ii).

Thanking you,
Yours faithfully,



Authorized Signatory
Paranjape Schemes (Construction) Ltd.

Enclosure: 1. A hard copy of the compliance and monitoring report
2. A CD containing the same report

CC copy to: 1. Regional officer, Maharashtra Pollution Control Board, (SRO I)-Pune
2. Member Secretary, Maharashtra Pollution Control Board, Sion, Mumbai
3. Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra, Mumbai

**Abhiruchi Parisar_Compliance & Monitoring Reports_April 2022 to September 2022**

1 message

MAHABAL PUNE <mahabal.pune@gmail.com>

Thu, Dec 1, 2022 at 6:32 PM

To: ropune@mpcb.gov.in

Bcc: psclectcompliance@gmail.com

Dear Sir/Madam,

As per MoEF Notification dated 26.11.2018 "In the said notification, in paragraph 10, in sub-paragraph (ii) for the words "hard and soft copies" the words "soft copy" shall be substituted."

With reference to the above please find the attached Compliance & Monitoring report for the period of April 2022 to September 2022 of "Abhiruchi Parisar" by M/s. Paranjape Schemes (Construction) Ltd

REGARDSCell +91-20-27612357 mahabal.pune@gmail.com

=====

Mahabal Enviro Engineers Pvt. Ltd. – Pune Branch

महाबळ, A-2, पहिला मजला, काकडे आंगण, तालेरा हॉस्पिटल समोर, तानाजी नगर, चिंचवडगाव, पुणे-४११०३३.

MAHABAL, A-2, First floor, Kakade Angan, Opp. Talera Hospital, Tanaji Nagar, Chinchwadgaon, Pune - 411033.

Working: 9 am to 6 pm on all other days. Sunday closed.

**Save a tree ...If not necessary, please don't print. Let's protect the environment.****Compliance Report _Abhiruchi project_April 2022 to September-2022.pdf**

13285K



PSCL EC-Compliance <pscleccompliance@gmail.com>

Abhiruchi Parisar_Compliance & Monitoring Reports_April 2022 to September 2022

1 message

MAHABAL PUNE <mahabal.pune@gmail.com>
To: EC Compliance Maharashtra <eccompliance-mh@gov.in>
Bcc: psleccompliance@gmail.com

Thu, Dec 1, 2022 at 6:32 PM

Dear Sir/Madam,

As per MoEF Notification dated 26.11.2018 "In the said notification, in paragraph 10, in sub-paragraph (ii) for the words "hard and soft copies" the words "soft copy" shall be substituted."

With reference to the above please find the attached Compliance & Monitoring report for the period of April 2022 to September 2022 of "Abhiruchi Parisar" by M/s. Paranjape Schemes (Construction) Ltd

REGARDSCell +91-20-27612357 mahabal.pune@gmail.com

=====

[Mahabal Enviro Engineers Pvt. Ltd. – Pune Branch](#)

महाबळ, A-2, पहिला मजला, काकडे आंगण, तालेरा हॉस्पिटल समोर, तानाजी नगर, चिंचवडगाव, पुणे-४११०३३.

MAHABAL, A-2, First floor, Kakade Angan, Opp. Talera Hospital, Tanaji Nagar, Chinchwadgaon, Pune - 411033.

Working: 9 am to 6 pm on all other days. Sunday closed.

**Save a tree ...If not necessary, please don't print. Let's protect the environment.****Compliance Report _Abhiruchi project_April 2022 to September-2022.pdf**
13285K

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, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER PUNE
6. MUNICIPAL COMMISSIONER SATARA
7. REGIONAL OFFICE MPCB PUNE
8. REGIONAL OFFICE MIDC PUNE
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
10. COLLECTOR OFFICE PUNE
11. COLLECTOR OFFICE SATARA
12. COLLECTOR OFFICE SOLAPUR

LII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient 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.



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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.

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 effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
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.

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(b) B1
	Court cases pending if any	Not Applicable
	Other Relevant Informations	This project has received Environment Clearance from Environment Department, GoM vide no. SEAC-III/CR 131/TC-3 Dated 28th January 2016 and amendment in environment clearance vide SEIAA-EC-0000000279 Dated 04th May 2018. The construction work is in progress as per received Environment Clearance.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	20-11-2017

3. The proposal has been considered by SEIAA in its 189th 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 ensure that CER plan gets approved from Municipal Commissioner/District Collector.
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: 136784.89 m2, Non-FSI:152780.00 m2 and Total BUA: 289564.89 m2 (Plan Approval no-CC/0162/17, Date-24.04.2017)

General Conditions:

I	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.
II	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.
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.
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.

5	Landscape development	-	15	2
6	Environmental Monitoring	MoEF Approved Lab	-	5
7	Energy Conservation	-	80	8
8	Fire Fighting System	-	20	2
9	Total	-	387	34

39.Storage of chemicals (inflammable/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

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2	Overall energy saving		6.26 %	
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:	Rs. 80 Lakh		
	O & M cost:	Rs. 8 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	15	
2	Socio- Economic Environment	Site sanitation, Toilets, STP, safe drinking water	20	
3	-	Disinfection at site	5	
4	-	Health check-up for workers, first aid kit	7	
5	-	Safety net	5	
6	Environment management	For Air, Noise, Water Analysis	3	
7	-	Site fencing & noise barrier	2	
8	-	Traffic management	2	
9	-	Storm water management	5	
10	-	Vehicle maintenance, washing area, tyre cleaning	3	
11	-	Tree plantation & water utilization	5	
12	Training and awareness	Safety personal protective equipment & Training programs	5	
13	Total	-	77	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	Total 6 no. of STP having total capacity: 1,690 m3/day	180	10
2	Storm Water Management	-	15	1
3	Rain Water Harvesting	25 Nos. of recharge pits	25	1
4	Land Environment (Solid Waste Management)	-	52	5

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

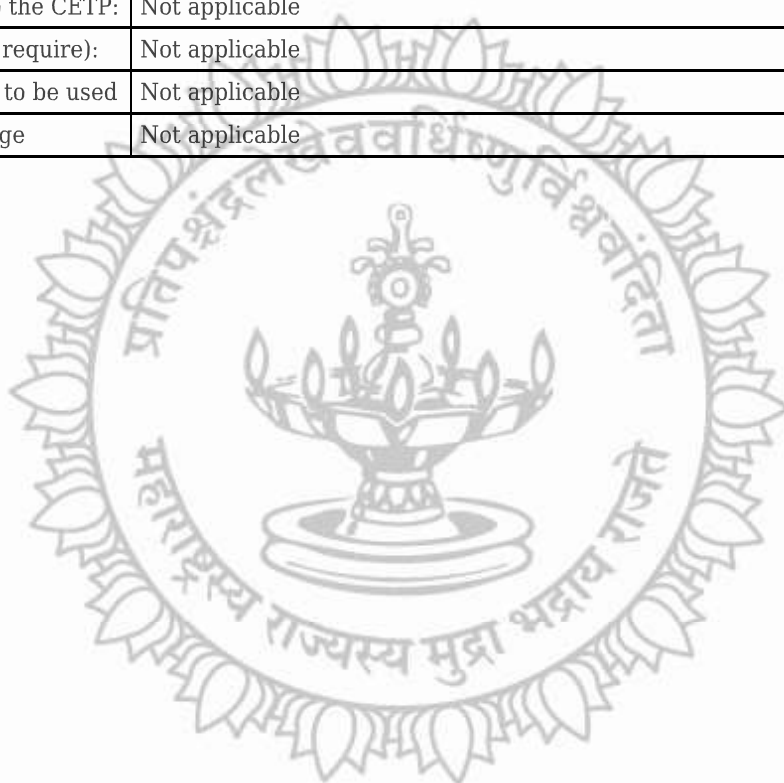
31.Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

32.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
33.Source of Fuel		Not applicable		
34.Mode of Transportation of fuel to site		Not applicable		

35.Energy		
Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	1 X 125 kVA
	During Operation phase (Connected load):	10,282 kW
	During Operation phase (Demand load):	6,855 kW
	Transformer:	9 nos. x 630 kVA & 1 no. x 315 kVA
	DG set as Power back-up during operation phase:	3 no. x 250 kVA , 2 nos. x 160 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA
Energy saving by non-conventional method:		
Solar water heating system		

36.Detail calculations & % of saving:		
Serial Number	Energy Conservation Measures	Saving %
1	Solar water heating system	100 %

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			



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28.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	7000 m3
	Disposal of the construction waste debris:	Top soil will be used for landscaping. The construction debris will be utilized at site for Road Paving and plinth filling
Waste generation in the operation Phase:	Dry waste:	2647 kg/day
	Wet waste:	3970 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	16 kg/day
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated and will be handed over to recycler
	Wet waste:	Wet waste will be composted and used as organic manure for landscaping
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure for landscaping
	Others if any:	Not Applicable
Area requirement:	Location(s):	Stilt floor
	Area for the storage of waste & other material:	233m2
	Area for machinery:	60 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 52 Lakh
	O & M cost:	Rs. 5 Lakh/ year

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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:		10-15 meter below ground level						
	Size and no of RWH tank(s) and Quantity:		NA						
	Location of the RWH tank(s):		NA						
	Quantity of recharge pits:		25 Nos.						
	Size of recharge pits :		1.5 m X 1.5 m X 2.5 m Depth						
	Budgetary allocation (Capital cost) :		Rs. 25 Lakh						
	Budgetary allocation (O & M cost) :		Rs. 1 Lakh/Year						
	Details of UGT tanks if any :		1. Domestic -1,786 m3 2. Flushing – 597 m3 3. Fire Fighting – 1,575 m3						
26.Storm water drainage	Natural water drainage pattern:		By gravity						
	Quantity of storm water:		3m3/sec						
	Size of SWD:		1200 mm x 700 mm						
27.Sewage and Waste water	Sewage generation in KLD:		1,616 m3						
	STP technology:		MBBR						
	Capacity of STP (CMD):		Total 6 no. of STP having total capacity: 1,690 m3/day [1 no. x 900 m3/day (3 no. x 300 m3/day), 1 no. x 510 m3/day (2 no. x 255 m3/day), 1 no. x 280 m3/day]						
	Location & area of the STP:		Location On ground						
	Budgetary allocation (Capital cost):		Rs. 180 Lakh						
	Budgetary allocation (O & M cost):		Rs. 10 Lakh/year						

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	Pune Municipal Corporation (PMC)		
	Fresh water (CMD):	1,203 m3		
	Recycled water - Flushing (CMD):	593 m3		
	Recycled water - Gardening (CMD):	45 m3		
	Swimming pool make up (Cum):	2 m3		
	Total Water Requirement (CMD) :	1,796 m3		
	Fire fighting - Underground water tank(CMD):	1,575 m3		
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing		
	Excess treated water	904 m3		
Wet season:	Source of water	Pune Municipal Corporation (PMC)		
	Fresh water (CMD):	1,203 m3		
	Recycled water - Flushing (CMD):	593 m3		
	Recycled water - Gardening (CMD):	23 m3		
	Swimming pool make up (Cum):	2 m3		
	Total Water Requirement (CMD) :	1,796 m3		
	Fire fighting - Underground water tank(CMD):	1,575 m3		
	Fire fighting - Overhead water tank(CMD):	20 m3 each wing		
	Excess treated water	926 m3		
Details of Swimming pool (If any)	Swimming pool: 2 nos. (Main pool and Kids Pool)			
	Area: 26 m x 8 m x 1.2 m depth and 6.30 m x 8.09 m x 1.2 m depth			
	Total water requirement for the makeup: 2,000 lit/day			
	Area of the pool: 310 m2			

13.Note on the initiated work (If applicable)	Construction work in in progress as per earlier Environment Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017
15.Total Plot Area (sq. m.)	1,01,243 m2
16.Deductions	29,360 m2
17.Net Plot area	71,882 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): 1,36,650 m2
	Non FSI area (sq. m.): 1,88,279 m2
	Total BUA area (sq. m.): 324929
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 93, 675 m2
	Approved Non FSI area (sq. m.): 51,712 m2
	Date of Approval: 24-04-2017
19.Total ground coverage (m2)	Residential building plinth area is 14,539 m2 (20%) & Ground coverage is 50% (Including parking area)
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50%
21.Estimated cost of the project	6230000000

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: February 27, 2020

To,
Paranjape Schemes (Construction) Limited
at Survey No. 24/1 (part) + 25, at village Dhayari Taluka-Haveli, District- Pune

Subject: Environment Clearance for Application for proposed expansion of Residential and Commercial Project
"Paranjape Abhiruchi Parisar"

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 101st 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 189th meetings.

2. It is noted that the proposal is considered by SEAC-III under screening category 8(b) B1 as per EIA Notification 2006.

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

1.Name of Project	"Paranjape Abhiruchi Parisar"
2.Type of institution	Private
3.Name of Project Proponent	Paranjape Schemes (Construction) Limited
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Thane, Maharashtra
5.Type of project	Housing Project- Residential and Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes, We have received Environment Clearance from State Environment Impact Assessment Authority, Maharashtra vide no. SEIAA-EC-0000000270 Dated 04th May 2018)
8.Location of the project	Survey No. 24/1 (part) + 25, at village Dhayari Taluka-Haveli, District- Pune
9.Taluka	Haveli
10.Village	Dhayari
Correspondence Name:	Paranjape Schemes (Construction) Ltd.
Room Number:	-
Floor:	-
Building Name:	Blue Ridge
Road/Street Name:	Near Cognizant
Locality:	Rajiv Gandhi Infotech Park-Phase I
City:	Hinjawadi, Pune-411057
11.Whether in Corporation / Municipal / other area	Pune Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017 IOD/IOA/Concession/Plan Approval Number: Sanction Plan received from Pune Municipal Corporation vide CC/0162/17 Dated 24/04/2017 Approved Built-up Area: 145387

SEIAA Meeting No: 189 Meeting Date: February 18, 2020 (SEIAA-STATEMENT-0000002681)
SEIAA-MINUTES-0000003069
SEIAA-EC-0000002129

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Shri. Anil Diggikar (Member Secretary SEIAA)