

23/2

256

1 of 43

Kolhapur Municipal Corporation

(KMC)

**BEFORE THE NATIONAL GREEN TRIBUNAL
WESTERN ZONE BENCH, PUNE**

EXECUTON APPLICATION NO. 23 OF 2023 (WZ)

IN

ORIGINAL APPLICATION NO. 124 OF 2022 (WZ)

Rejoinder Report of Kolhapur Municipal Corporation

May 2024



AFFIDAVIT

BEFORE THE NATIONAL GREEN TRIBUNAL, WESTERN ZONE

BENCH PUNE

Application No. 23/2023

Vrinda Basu

-----Applicant

V/S

State of Maharashtra,

-----Respondent



Affidavit in compliance of order dated
19-04-2024 on behalf of Kolhapur
Municipal Corporation

I, Pandit Khandu Patil age 48 years, Occupation service, Deputy Commissioner (II) of Kolhapur Municipal Corporation (KMC), Kolhapur, do hereby state on solemn affirmation as under.

With reference to the order passed by Hon. NGT in the matter of O/A 23/2023 Vrinda f a ■; V/S State and Others, herewith we are submitting present ste ■ of wastewater generation/treatment & rejoinder report of by Kolhapur Municipal Corporation (KMC) as follows.

I. TOTAL LIFTING OF WATER.

KMC is taking serious efforts to control the pollution of river Panchaganga caused from various sources. A meeting of officers of Water Supply and Environment Dept was conducted along with the member of the Committee appointed by Hon. High Court and in this meeting total average water supply to the city was calculated and observed to be around 176.6 MLD. This includes lifting of water from

No. of Corrections
on this page. Nil

different pumping stations located at kalamawadi dam back water, Bhogavati river and Kalamba lake. This also includes water used in the city from various other sources like well, bores etc. Total wastewater generated is 149.10 MLD (calculated at 80/o of the total water lifted & created from other sources). Due to short fall of rain in the last year & due to less supply of raw water form the dams KMC is supplying the drinking water on alternate day basis in C & D ward this has considerably reduced the wastewater generation which is approximately 96 MLD.

II. TREATMENT OF WASTEWATER

The 65% of the city area is sewerred. The sewerage and the wastewater to the extend of 71% is treated in the various STP's. The technology adopted is sequential batch reactor (S.B.R.) whose effluent is within the MPCB norms. Both the STP's are operated on BOOT basis.

S No	Name of STP	Capacity in MLD	Addl 10% capacity in MP.*	Total capacity	Remark
1	Kasaba Bawada STP	76.00	7.60	83.60	presently in working condition
2	Dudhali STP	17.00	1.70	18.70	presently in working condition
3	Kasaba Bawada STP	4.00	0.40	4.4	Presently treated 1 to 4 MLD
Total		97.00	9.70	106.7	-
4	Dudhali STP	6.00	0.60	6.60	Expected to be completed by Nov 2024
Total		103.00	10.30	113.30	-

Corrections
Ont?.*?39® N11

Presently 106.70 MLD of wastewater is being treated as per MPCB norms. Under AMRUT2 scheme KMC has proposed 3 New STPs at Jayanti, Dudhali & Bapat Camp Zones having capacity 9.00 MLD, 19.50 MLD and 15.00 MLD respectively. Total 4 DPRs costing Rs. 324 Cr are prepared & technically sanctioned by MJP. These DPRs except Bapat camp have got Administrative approval from SLTC (State Level Technical Committee) and Model tendering process of three sanctioned DPRs is in progress.

76.00 MLD STP at Kasaba Bawada

The STP is constructed under National River Action Plan & is in operation from the year 2014. The 65% area of the Kolhapur city is provided with sewerage system. The sewage (Black water) is collected at Jayanti pumping station & along with the sewage the Grey water of following nallas is pumped to 76 MLD STP. As per the guidelines from the technology provider it is currently operating the STP with 10% more capacity that is $76 + 7.6 = 83.60$ MLD

Sr No	Pumping station	Quantity MLD	Remarks
1	Jayanti nalla & sewage from city	60	Is in continuous operation since December 2014
2	Bapat Camp nalla	11.50	Is in continuous operation since 04-12-2019 & wastewater flow is diverted to 76 MLD STP.
3	Line Bazar nalla	5.50	Is in continuous operation since 27-11-2019 & wastewater flow is diverted to 76 MLD STP.
4	Juna Budhavar nalla	0.77	diverted to Jayanti nalla pumping station in June 2019
5	CPR nalla (Partially diverted)	0.46	Diverted to Jayanti nalla pumping station in June 2019

No. of Corrections
on this page. Nil

b) 17.00 MLP STP at Pudhali

This STP is in operation from 1 July 2018 and majorly the wastewater from Dudhali naia and sewage from sewerage zone in this catchment is treated in the STP. New 6 MLD AMRUT STP is under construction here whose civil work is 100% completed and mechanical work is 59% completed. The project is expected to be completed in the month of November 2024. The above mentioned AMRUT STP is proposed to take care of the present/extra wastewater generated in the Dudhali najjg catchment.

c) 4.00 MLP STP at Kasaba Bawada.

This STP is constructed and operations started recently dated 16 December 2023 near the above mentioned 76 Mtl STP to take care of the present & future wastewater generated in the catchment.

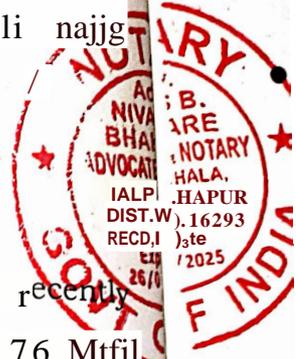
d) Per month expenses for Operation and maintenance

Kolhapur municipal corpora!./.; is incurring about Rs. 59.03 lakhs per month to operate the STP's as mentioned below.

Sr No	Name of STP and capacity in MLP	Operation and maintenance cost per month (in lakhs)
1	Kasaba Bawada 76.00 MLD	32.29
2	Dudhali 17.00 MLD	21.65
3	Kasaba Bawada 4.00 MLD	5.09
	Total	59.03

No. of Corrections on this page: 11

11/11



III. PROPOSED WORKS FOR TREATMENT OF WASTEWATER GENERATED

1. AMRUT -I Scheme

- Lowering laying of about 112.80 KMs sewerage network is sanctioned under AMRUT-1 scheme. As per the revised survey done by MJP lowering laying is restricted to 78 KMs.
- Work of diversion of 6 remaining small nallas (Lakshirth, Rajhans, Ramanmala, Dreamword, Kasaba Bawada, Vitbhatti) are under progress.
- Construction of 4 MLD & 6 MLD STPs near Bawada & Dudhali existing STPs as mentioned above.

The works completed under AMRUT-I include - 65 kms of sewer line, 4 MLD STP, KT weirs at Lakshirth & Ramanmala nalla, rising main at Lakshirth (1100 mtr completed), Vitbhatti (505 mtr completed) & Rajhans nalla (475 mtr completed) & gravity main at Ramanmala (350 mtr completed)

2. AMRUT -II Scheme

New direct Kalamawadi water supply scheme for Kolhapur city is recently commissioned & the increased water supply to the city in the first stage is 178 MLD. -MC has prepared 4 sewerage management DPRs to cater r demand as mentioned below.

Sr No	Name of zone	Cost in Crs	Length of Sewerage system	No of pumping station	No of S.T.P.'s & capacity	Date of SLTC approval
1	Jayanti	51.13	37 km	1 no	1 no, 9 mid	16-02-2024
2	Dudhali	57.32	13 km	3 no	1 no, 19.50 mid	16-02-2024
3	Line Bazar	31.96	26 km	1 no	-	16-02-2024
4	Bapat Camp	139.21	56.76 km	1 no	1 no, 15 mid	-
Total		279.62				

No. of Corrections
on this page- pi

3. State Nagarothan scheme

Another DPR costing Rs 46.56 Crs for remaining Bapat Camp nalla zone is prepared & got technically approved from Maharashtra. The proposal is further in the process of submission for administrative approval from State Government. This will take care of the total catchment of the Bapat Camp nalla zone.

4. Upgradation of 76 MLD at Jayanti nalla

To increase the efficiency of Jayanti nalla old pumping station, it is necessary to remove floating material /plastic etc. from the nalla on daily basis. At present the floating material is removed manually. This reduces the efficiency of pumping station. Hence it is decided to construct a trash screen at pumping station costing Rs. 1.82 Crs (first stage) from Maharashtra Suvarnajayanti Nagarothan Maha abhiyan 2023-24 & tender of which has already floated.

5. Provision made for gap of 42.40 MLD wastewater treatment as mentioned by MPCB

Total wastewater generation in Kolhapur Municipal Corporation premises is 149.10 MLD. Out of which approximately 15 to 18 MLD is discharged from nearby villages like K. J. mba, Pachgaon, Morewadi & R K Nagar. This fact has been communicated to Zilla Parishad, Kolhapur. Deducting this quantity the actual wastewater generation of KMC is 131.10 MLD, out of which 106.70 MLD is treated & further increased to 113.30 MLD after the commissioning of 6 MLD (6.6 with 10% extra) STP in the year Nov 2024. Hence actual quantity of wastewater untreated is 17.80 MLD (131.10-113.30).

This untreated quantity of wastewater is proposed to be treated as a long term treatment in the STPs proposed by KMC under AMRUT-II and in the meanwhile the untreated wastewater is taken care of by means of treatment of Phytoid and Bleaching Powder Dose as suggested by MPCB Board and as suggested by the Committee formed under the PIL No.183/2012. Thus by

No. of Corrections zU
on this page, 0 11/2

taking into consideration the serious efforts w.r.t. long-term & short-term treatment made by KMC it is requested not to penalize KMC for the wastewater treatment purpose.

The work of 6 MLD STP is delayed due to natural calamities mentioned below

- Flood in 2019 & 2021 (The location of STP is in flood prone area)
- Nation wide lock down imposed due to Global pandemic corona from March 2020

IV < INITIATIVES BY KOLHAPUR MUNICIPAL CORPORATION

1. Phytoremediation, by exclusive manpower

Special contractual staff appointed exclusively for phytoremediation treatment & bleaching treatment of different nallas flowing in to the river. Treatments on these nallas are carried out on regular basis as suggested by MPCB & Committee members. This proves that the treatment involved in long term method and short-term method both takes care of 100% wastewater generation in Kolhapur municipal corporation jurisdiction. Hence MPCB is requested not to penalize KMC for the wastewater treatment purpose.

2. Meeting with service center owners

The meeting of service center owners & large water consuming agencies was conducted by KMC. oil & grease trap & small individual STPs & treated wastewater re; ... rode compulsory to big apartment & townships. This has cone?..>i reduced the wastewater generation in the city.

3. Trash screen at Jayanti nalla pumping station

At present the floating material is removed manually. This reduces the efficiency of pumping station. Hence it is decided to construct a trash screen at pumping station costing Rs. 1.82 Crs (first stage) from Maharashtra Suvarnajayanti Nagarothan Maha abhiyan 2023-24 & tender of which has already floated.

No. of Corrections
on this page. f 1

Adh

4. Inbuilt STP's for townships & apartments.

As per prevailing by-laws and as per the UDCPR by-laws under section 13.4.1 as per the area proposed in the construction STP's are proposed. In Kolhapur municipal corporation area 70 building permissions are given with provision of STPs.

5. Ganesh Visarjan

Every year during ganesh festival, the idols of Lord Ganesh are not allowed to be immersed in river Panchaganga or any other natural resources. All the idols are only allowed to be immersed in artificial ponds. Also the Nirmalya collected during the festival is also not immersed in river Panchaganga but all nirmalya is composted. Also Kolhapur Municipal Corporation take following efforts for above mentioned activity

a)Artificial Ponds - Total 180 artificial ponds placed at various locations in the city. Kolhapur Municipal Corporation spends approximately 4.5 lakhs per year for repair and maintenance of artificial ponds.

b)Floaters - Floaters are made available by Kolhapur Municipal Corporation with help of local residents for immersion of idols in Irani Khan.

c)Cranes - Cranes are made available by Kolhapur Municipal Corporation for immersion of idols in Irani Khan which costs approximately 2.46 lakhs per year.

d)Conveyor Belt- Conveyor Belt is made available by Kolhapur Municipal Corporation for immersion of idols in Irani Khan which costs approximately 8 lakhs for civil works of installation and the cost of Conveyor Belt purchased was approximately 83.18 lakhs.

e)Trucks, tractors and labours - Trucks, tractors and labors are made available for collection and transportation of idols from artificial ponds to Irani Khan. It costs Kolhapur Municipal Corporation approximately 13.63 lakhs every year.

7. Wastewater coming from nearby villages.

Total wastewater generation in Kolhapur Municipal Corporation premises is 149.10 MLD. Out of which approximately 15 to 20 MLD is discharged from nearby villages like Kalamba, Pachgaon, Morewadi &

No. of Corrections x
on this page Nil 'yX



76 MLD STP REPORT





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/00447A
M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	DATED	29/04/2024
	LAB REFERENCE NO	HS/LAB/WA/0170A
	DATE OF SAMPLING	24/04/2024
	DATE OF ANALYSIS	25/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

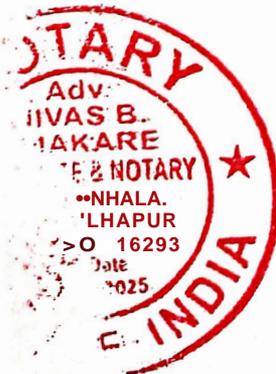
RESULTS OF ANALYSIS

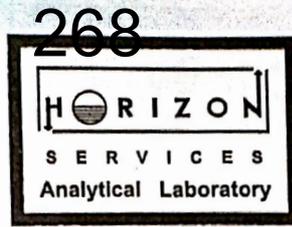
SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	6.80	6.5-8.5
02	Temperature	°C	31.00	Not Specified
03	Total Suspended Solids	mg/lit	9.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	22.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	6.10	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen a	mg/lit	3.54	< 10.00
08	Phosphorus as P	mg/lit	0.30	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.60	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.64	< 10.00
11	Dissolved Oxygen	mg/lit	4.20	Not Specified
12	Fecal Coliform	Org/100ml	34.00	500MPN/100ml

For HORIZON SERVICES



Manoj Kumar
(LAB INCHARGE)





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	REPORT NO	HS/LAB/WA/00308A
	DATED	22/04/2024
	LAB REFERENCE NO	HS/LAB/WA/0112A
	DATE OF SAMPLING	17/04/2024
	DATE OF ANALYSIS	18/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.50	6.5-8.5
02	Temperature	°C	29.00	Not Specified
03	Total Suspended Solids	mg/lit	7.00	< 10.00
04	Chemical Oxygen Dem??-?	mg/lit	30.00	< 100.00
05	Biochemical Oxygen D- (27°C for 3 days)	mg/lit	8.30	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen M	mg/lit	3.88	< 10.00
08	Phosphorus as P	mg/lit	0.34	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.50	<2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.10	< 10.00
11	Dissolved Oxygen	mg/lit	4.10	Not Specified
12	Fecal Coliform	Org/100ml	28.00	500MPN/100ml

For HORIZON SERVICES



M. N. Agarkar
(LAB INCHARGE)





Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/I AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/00192A
Ms. Vishwa Infrastructure Pvt. Ltd.	DATED	15/04/2024
Kolhapur.	LAB REFERENCE NO	HS/LAB/WA/0053A
	DATE OF SAMPLING	10/04/2024
	DATE OF ANALYSIS	11/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.14	6.5-8.5
02	Temperature	°C	30.00	Not Specified
03	Total Suspended Solids	mg/lit	8.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	28.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	7.80	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.20	< 10.00
08	Phosphorus as P	mg/lit	0.22	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.20	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.80	< 10.00
11	Dissolved Oxygen	mg/lit	4.20	Not Specified
12	Fecal Coliform	Org/100ml	32.00	500MPN/100ml

For HORIZON SERVICES



Manoj Kumar
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 91149867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/I AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	REPORT NO	HS/LAB/WA/00075A
	DATED	08/04/2024
	LAB REFERENCE NO	HS/LAB/WA/0011A
	DATE OF SAMPLING	03/04/2024
	DATE OF ANALYSIS	04/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.50	6.5-8.5
02	Temperature	°C	29.00	Not Specified
03	Total Suspended Solid-?	mg/lit	6.00	< 10.00
04	Chemical Oxygen un r .-...?:	mg/lit	22.00	< 100.00
05	Biochemical Oxygy n (27°C for 3 days-"	mg/lit	6.10	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.80	< 10.00
08	Phosphorus as P	mg/lit	0.32	< 1.00
09	Ammonia Nitrogen (NH3- N)	mg/lit	1.14	< 2.00
10	Nitrate Nitrogen (NO3- N)	mg/lit	5.20	< 10.00
11	Dissolved Oxygen	mg/lit	4.60	Not Specified
12	Fecal Coliform	Org/100ml	30.00	500MPN/100ml

UK

For HORIZON SERVICES

M. N. A. G. S. K.
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
 Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/00002A
M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	DATED	01/04/2024
	LAB REFERENCE NO	HS/LAB/WA/1581A
	DATE OF SAMPLING	27/03/2024
	DATE OF ANALYSIS	28/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.84	6.5-8.5
02	Temperature	°C	28.00	Not Specified
03	Total Suspended Solids	mg/lit	7.00	< 10.00
04	Chemical Cxyg; ■	mg/lit	34.00	< 100.00
05	Biochemical Cxyg; ■ (27°C for 3 day:)	mg/lit	9.45	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.10	< 10.00
08	Phosphorus as P	mg/lit	0.28	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.56	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.80	< 10.00
11	Dissolved Oxygen	mg/lit	5.20	Not Specified
12	Fecal Coliform	Org/100ml	24.00	500MPN/100ml

For HORIZON SERVICES



M. N. Algaonkar
(LAB INCHARGE)

MOEFCC Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004,

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/I AR/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/19020A
M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	DATED	25/03/2024
	LAB REFERENCE NO	HS/LAB/WA/1558A
	DATE OF SAMPLING	20/03/2024
	DATE OF ANALYSIS	21/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.32	6.5-8.5
02	Temperature	°C	26.00	Not Specified
03	Total Suspended Solids	mg/lit	6.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	30.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	8.30	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.22	< 10.00
08	Phosphorus as P	mg/lit	0.30	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.00	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.00	< 10.00
11	Dissolved Oxygen	mg/lit	5.08	Not Specified
12	Fecal Coliform	Org/100ml	22.00	500MPN/100ml

For HORIZON SERVICES



M. A. G. G.
(LAB INCHARGE)

MOEFCC Certification renewal is under process.





Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

FII AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS M/s L Vishwa Infrastructure Pvt. Ltd. Kollapur.	REPORT NO	HS/LAB/WA/18750A
	DATED	18/03/2024
	LAB REFERENCE NO	HS/LAB/WA/1529A
	DATE OF SAMPLING	13/03/2024
	DATE OF ANALYSIS	14/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.10	6.5-8.5
02	Temperature	°C	26.00	Not Specified
03	Total Suspended Solids	mg/lit	8.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	24.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	6.50	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.50	< 10.00
08	Phosphorus as P	mg/lit	0.32	< 1.00
09	Ammonia Nitrogen (NH ₃ -N)	mg/lit	1.05	< 2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.60	< 10.00
11	Dissolved Oxygen	mg/lit	5.10	Not Specified
12	Fecal Coliform	Org/100ml	30.00	500MPN/100ml

For HORIZON SERVICES



Manoj Kumar

(LAB INCHARGE)

MOEFCC Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

CLIENT'S NAME & ADDRESS		F/LAB/04/01/17.12.2012	
Vishwa Infrastructure Pvt Ltd, Koltfepur.		REPORT NO	HS/LAB/WA/18370A
-----		DATED	11/03/2024
-----		LAB REFERENCE NO	HS/LAB/WA/1489A
-----		DATE OF SAMPLING	06/03/2024
-----		DATE OF ANALYSIS	07/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.32	6.5-8.5
02	Temperature	°C	28.00	Not Specified
03	Total Suspended Solids	mg/lit	9.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	26.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	7.20	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.14	< 10.00
08	Phosphorus as P	mg/lit	0.24	< 1.00
09	Ammonia Nitrogen (NH ₃ -N)	mg/lit	1.80	< 2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.50	< 10.00
11	Dissolved Oxygen	mg/lit	4.80	Not Specified
12	Fecal Coliform	Org/100ml	34.00	500MPN/100ml

For HORIZON SERVICES



MUR OX 02/
(LAB INCHARGE)

MOEFCC Certification renewal is under process..



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

AjR.JMobile : 7249867318, 8378018710 . Tel.: 020 - 25460202 • Email : kmn@hespl.co.in / md@fiespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/I AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS

?WS>Vishwa Infrastructure Pvt

Kolhapur.

REPORT NO	HS/L7XB/VVA/18099A
DATED	04/03/2024
LAB REFERENCE NO	HS/LAB/WA/1458A
DATE OF SAMPLING	28/02/2024
DATE OF ANALYSIS	29/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLP STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.84	S.5-8.5
02	Temperature	°C	28.00	Not Specified
03	Total Suspended Solids	mg/lit	9.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	34.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	9.50	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.80	< 10.00
08	Phosphorus as P	mg/lit	0.20	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.94	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.20	< 10.00
11	Dissolved Oxygen	mg/lit	5.50	Not Specified
12	Fecal Coliform	_Org/100ml_	24.00	500MPN/100ml

For HORIZON SERVICES



Manoj Deora
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

* 1 ANALYSIS REPORT			
i 4 I		F/LAB/04/01/17.12.2012	
CLIENT'S NAME & ADDRESS		REPORT NO	HS/LAB/WA/17775A
M/s Vishwa Infrastructure Pvt Ltd.		DATED	26/02/2024
kolhapur.		LAB REFERENCE NO	HS/LAB/WA/1438A
		DATE OF SAMPLING	21/02/2024
		DATE OF ANALYSIS	22/02/2024
DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.10	6.5-8.5
02	Temperature	°C	27.00	Not Specified
03	Total Suspended Solids	mg/lit	8.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	28.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	7.80	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.00	< 10.00
08	Phosphorus as P	mg/lit	0.24	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.50	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.80	< 10.00
11	Dissolved Oxygen	mg/lit	5.00	Not Specified
12	Fecal Coliform	Org/100ml	32.00	500MPN/100ml

For HORIZON SERVICES



M. A. G. G. G.
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
 Mobile : 7249867318, 8378018710 » Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.m

ANALYSIS REPORT

FI/AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS M/s. yphwa Infrastructure Pvt Ltd. Kolhapur.	REPORT NO	HS/LAB/WA/17300A
	DATED	19/02/2024
	LAB REFERENCE NO	HS/LAB/WA/1408A
	DATE OF SAMPLING	14/02/2024
	DATE OF ANALYSIS	15/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.22	6.5-8.5
02	Temperature	°C	26.00	Not Specified
03	Total Suspended Solids	mg/lit	6.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	24.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	6.60	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.50	< 10.00
08	Phosphorus as P	mg/lit	0.20	< 1.00
09	Ammonia Nitrogen (NH ₃ -N)	mg/lit	1.00	< 2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.10	< 10.00
11	Dissolved Oxygen	mg/lit	5.80	Not Specified
12	Fecal Coliform	Org/100ml	28.00	500MPN/100ml

For HORIZON SERVICES



M. N. G. J. K.

(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.





Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

*Shree , K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in/md@hespl.co.in o www.hespl.co.in

ANALYSIS REPORT

F/I AR/04/01/17 12 2012

CLIENT'S NAME & ADDRESS

M/s. Vishwa Infrastructure Pvt.
Ltd.
Kolhapur.

REPORT NO	HS/LAB/WA/16850A
DATED	12/02/2024
LAB REFERENCE NO	HS/LAB/WA/1385A
DATE OF SAMPLING	07/02/2024
DATE OF ANALYSIS	08/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	PH	---	7.50	6.5-8.5
02	Temperature	°C	26.00	Not Specified
03	Total Suspended Solids	mg/lit	8.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	32.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	8.80	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	3.80	< 10.00
08	Phosphorus as P	mg/lit	0.18	≤ 1.00
09	Ammonia Nitrogen (NH ₃ -N)	mg/lit	1.20	< 2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.00	< 10.00
11	Dissolved Oxygen	mg/lit	5.00	Not Specified
12	Fecal Coliform	Org/100ml	30.00	500MPN/100ml

For HORIZON SERVICES



M. Nagaraja
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
 Lab NABL Accredited - Testing of Water

Shree., K 3/4, S. No. 10. Erandawane Housing Zone - 2, A. S. Road, Deenanath Mangeshkar Hospital, Pune 411 004. Field (TC - 7064)
 Mobile : 7249867318, 8378018710 . Tel. : 020 - 25467900 . Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT



CLIENT'S NAME & ADDRESS		F/LAB/04/01/17.12.2012	
M/s. Vishwa Infrastructure~Pvt Ltd.		REPORT NO	UQ/I AQAA/AMCCn/A
Kcjhapur.		DATED	05/02/2024
		LAI3 REFERENCE NO	HS/LAB/WA/1336A
		DATE OF SAMPLING	31/01/2024
DETAILS OF SAMPLE		SAMPLE COLLECTED BY	NATURE
Sewage Water sample		The Client	Treated
			LOCATION
			76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.30	6.5-S.5
02	Temperature	°C	27.00	Not Specified
03	Total Suspended Solids	mg/lit	9.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	34.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	9.50	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.22	< 10.00
08	Phosphorus as P	mg/lit	0.30	< 1.00
09	Ammonia Nitrogen (NH3- N)	mg/lit	1.05	< 2.00
10	Nitrate Nitrogen (NO3- N)	mg/lit	4.20	< 10.00
11	Dissolved Oxygen	mg/lit	5.60	Not Specified
12	Fecal Coliform	Org/100ml	30.00	500MPN/100ml

For HORIZON SERVICES



M. Rajendra
 (LAB INCHARGE)

DISCLAIMER: Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only. The test report shall not be produced for any legal identity or advertised without permission of lab.



Lab Approved by WioEF, New Delhi (Valid till 05/02/2024)
 Lab NABL Accredited - Testing - Chemical Field (IC-7064)

"Shree", K 3/4, S. No. 10, Erandawane He
 Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
 Mobile : 7249867318, 8378018710 . Tel. : 020-25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

CLIENT'S NAME & ADDRESS M/s. Vishwa Infrastructure Pvt. Ltd. Kolhapur.	REPORT NO	04/01/17.12.2012
	DATED	HS/LAB/WA/16150A 30/01/2024
	-LAB REFERENCE NO	HS/LAB/WA/1300A
	DATE OF SAMPLING	24/01/2024
	DATE OF ANALYSIS	25/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.22	6.5-8.5
02	Temperature	°C	24.00	Not Specified
03	Total Suspended Solids	mg/lit	8.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	28.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	7.80	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.50	<10.00
08	Phosphorus as P	mg/lit	0.28	<1.00
09	Ammonia Nitrogen (NH ₃ -N)	mg/lit	1.10	<2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.80	<10.00
11	Dissolved Oxygen	mg/lit	5.40	Not Specified
12	Fecal Coliform	Org/100ml	32.00	500MPN/100ml

For HORIZON SERVICES



Manoj Kumar
 (LAB INCHARGE)

CLAIMER:
 Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.
 The test report shall not be produced for any legal identity or advertised without permission of lab. • The effect of results relate only to the item tested.



Lab Approved by MoEF New Delhi. (Valid till 05/02/2024)
 Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004
 Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hspi.co.in / md@hespl.co.m. //w/hesplxo.in



ANALYSIS REPORT

CLIENT'S NAME & ADDRESS M/s. Vishwa Infrastructure Pvt. Ltd. J.K. hapur.	*SPORT No	F/LAB/04/01/17,12.2012
	OATED	HS/LAB/WA/15840A
	S REFERENCE NO	123701/2024
	DATE OF SAMPLING	HS/LAB/WA/1260A
	DATE OF ANALYSIS	17701/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

S.R. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	PH	---	7.80	6.5-8.5
02	Temperature	°C	27.00	Not Specified
03	Total Suspended Solids	mg/lit	9.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	24.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	6.70	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.00	< 10.00
08	Phosphorus as P	mg/lit	0.18	< 1.00
09	Ammonia Nitrogen (NH3- N)	mg/lit	1.14	< 2.00
10	Nitrate Nitrogen (NO3- N)	mg/lit	4.20	< 10.00
11	Dissolved Oxygen	mg/lit	5.22	Not Specified
12	Fecal Coliform	Qrg/100ml	30.00	bUUVi.ri/wurni

For HORIZON SERVICES



M. Nagaraj
 (LAB INCHARGE)

DISCLAIMER: Sample...

...results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.
 ...without permission of lab. • The effect of results relate only to the item tested.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIR	5NAME & ADDRESS	RFPQRT NO	HS/LAB/WA/15455A
iw	iwa Infrastructure Pvt.	DATED	16/01/2024
Ltd.		LAB REFERENCE NO	HS/LAB/WA/1224A
Kolhapur.		DATE OF SAMPLING	10/01/2024
		DATE OF ANALYSIS	11/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLD STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.10	6.5-8.5
02	Temperature	°C	23.00	Not Specified
03	Total Suspended Solids	mg/lit	6.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	30.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	8.40	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.50	< 10.00
08	Phosphorus as P	mg/lit	0.22	< 1.00
09	Ammonia Nitrogen (NH ₄ -N)	mg/lit	1.10	< 2.00
10	Nitrate Nitrogen (NO ₃ -N)	mg/lit	4.60	< 10.00
11	Dissolved Oxygen	mg/lit	5.40	Not Specified
12	Fecal Coliform	Ora/100ml	24.00	500MPN/100ml

For HORIZON SERVICES



(LAB INCHARGE)

DISCLAIMER: ? Plewllibe retained only for 15 days. • Above results indicate to the parameters mentioned on the report or advertised without permission of lab.

Liability limited till issue of test reports only. The effect of results relate only to the item tested.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing - Chemical Field (TC -

"Shree". K 3/4, S. No. 10, Erandawane Housing Society Opposite Deccan Gymkhana, Pune 411 004
Mobile: 7249867318, 83780 8 10 Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

ENLAB/04/01/17 12 2017

X- RUENT'S NAME & ADDRESS"
sVishwa Infrastructure Pvt.

Ltd.
Kolhapur.

REPORT NO	HS/LAB/WA/15290A
DATED	09/01/2024
LAB REFERENCE NO	HS/LAB/WA/1203A
DATE OF SAMPLING	03/01/2024
DATE OF ANALYSIS	04/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Sewage Water sample	The Client	Treated	76 MLP STP

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULT	DISCHARGE STANDARD
01	pH	—	7.22	6.5-8.5
02	Temperature	°C	25.00	Not Specified
03	Total Suspended Solids	mg/lit	7.00	< 10.00
04	Chemical Oxygen Demand	mg/lit	32.00	< 100.00
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	8.90	< 10.00
06	Oil and Grease	mg/lit	NIL	< 10.00
07	Total Kjeldhal Nitrogen as TKN	mg/lit	4.80	< 10.00
08	Phosphorus as P	mg/lit	0.24	< 1.00
09	Ammonia Nitrogen (NH ₃ - N)	mg/lit	1.22	< 2.00
10	Nitrate Nitrogen (NO ₃ - N)	mg/lit	4.50	< 10.00
11	Dissolved Oxygen	mg/lit	5.00	Not Specified
12	Fecal Coliform	Org/100ml	28.00	500MPN/100ml

For HORIZON SERVICES



m nagarkar
(LAB INCHARGE)

I.C.<

DISCLAIMER:
Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.
The test report shall not be produced for any legal identity or advertised without permission of lab. • The effect of results relate only to the item tested.



17 MLD STP



REPORT



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

*Shrte , K 3/4, S. No. 10, Erandawano Housing Society, Opposite DoonamUh Mnngshknr Hospital, Pune 411 004.

• Mobile , 7249067318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hospl.co.In / md@hospl.co.In • www.hespl.co.in

ANALYSIS REPORT

HS/LAB/WA/00163

CLIENT'S NAME & ADDRESS Laxiti Civil Engineering Services Pvt. Ltd. Dudkali, Kolhapur- 416012.	REPORT NO	HS/LAB/WA/00163
	DATED	02/04/2024
	LAB REFERENCE NO	HS/LABM/A/1596
	DATE OF SAMPLING	27/03/2024
	START DATE OF ANALYSIS	28/03/2024
	END DATE OF ANALYSIS	02/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	---	6.69
02	Total Suspended Solids	mg/L	6.00
03	Chemical Oxygen Demand	mg/L	6.80
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	2.60
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.12
07	Total Ammonical Nitrogen as NH3-N	mg/L	0.45
08	Nitrate as NO3	mg/L	0.20
09	Total Kjeldahl Nitrogen as TKN	mg/L	1.00
10	Total Coliform	MPN/100ml	21.00



For **HORIZON SERVICES**

.yIU^{III}CUJjQW

(LAB INCHARGE)

MOEFCC Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Address: K 34 S No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 001
 Mobile: 7249887318 | Fax: 020-25460202 | Email: kma@h... | WSMIcon | TOWteFlrain

Q/b
 /hV' A
 OVT

ANALYSIS REPORT

CLIENT'S NAME & ADDRESS

Opxml Civil Engineering Services Pvt. Ltd.
 Dudhali.
 Kollinpur- 416012.

REPORT NO	HS(LAB/NABUFr7.8.2.1
DATED	HS/LABWAJ19038
LAB REFERENCE NO	25/03/2024
DATE OF SAMPLING	HS/LAB/WA/1552
START DATE OF ANALYSIS	19/03/2024
END DATE OF ANALYSIS	20/03/2024
	~25/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

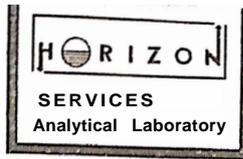
SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	6.72
02	Total Suspended Solids	mg/L	7.00
03	Chemical Oxygen Demand	mg/L	25.60
04	Biochemical Oxygen Demand /27°C for 3 days)	mg/L	8.90
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.16
07	Total Ammomcal Nitrogen as «sr	mg/L	0.55
08	Nitrate as NOj	J?9!L	0.25
09	Tol.il Kjclcl.ihl NiUogen.asTKN	mg/L	1.10
10	Total Coliform	r"MPN/100ml	24.00

For HORIZON SERVICES



Manoj Kumar
 (LAB INCHARGE)

MOEFCC Certification renewal is under process.



Lab Approved by MoEF, New Delhi, (Valid till 05/02/2024)

"Shree , K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

UJH ADINADI IET 7 8 2 4

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/18727
Waxmi Civil Engineering Sprvices Pvt. Ltd. Dudhali, Kolhapur- 416012.	DATED	16/03/2024
	LAB REFERENCE NO	HS/LAB/WA/1519
	DATE OF SAMPLING	11/03/2024
	START DATE OF ANALYSIS	12/03/2024
	END DATE OF ANALYSIS	16/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	6.76
02	Total Suspended Solids	mg/L	9.00
03	Chemical Oxygen Demand	mg/L	35.00
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	9.80
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.20
07	Total Ammonical Nitrogen as NH3-N	mg/L	0.75
08	Nitrate as NO3	mg/L	0.35
09	Total Kjeldahl Nitrogen as TKN	mg/L	1.80
10	Total Coliform	MPN/100ml	27.00



For HORIZON SERVICES

M. N. Agarkar
(LAB INCHARGE)

MOEFCC Certification renewal is under process.

Scanned with OKEN Scanner

Scanned with OKEN Scanner



Lab Approved by MoEF, Now Delhi. (Valid till 05/02/2024)

•Shree' K 3/4. S. No. 10. Erandawano Houdnfl Society. Oppotlto Deenanalh Mangoshkar Hospital, Pune 411 004
 • Mobile : 7249867318. 8378018710 - Tel. : 020 - 25400202 • Email : kmn@htjfipl.co.in / md@ho»pl.co.in • www.hespl.co.in

ANALYSIS REPORT

HS/LAB/NABL/F/7.8,2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/18366
Laxmi Civil Engineering Services Pvt. Ltd. Dudhali, Kolhapur- 416012.	DATED	09/03/2024
	LAB REFERENCE NO	HS/LAB/WA/1487
	DATE OF SAMPLING	04/03/2024
	START DATE OF ANALYSIS	05/03/2024
	END DATE OF ANALYSIS	09/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17MLD STP Dudhali, Kolhapur (OCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	6.57
02	Total Suspended Solids	mg/L	6.00
03	Chemical Oxygen Demand	mg/L	7.20
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	2.80
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.13
07	Total Ammonical Nitrogen as NH ₃ -N	mg/L	0.45
08	Nitrate as NO ₃	mg/L	0.22
09	Total Kjeldahl Nitrogen as TKN	mg/L	0.85
10	Total Coliform	MPN/100ml	21.00

For HORIZON SERVICES



M. Nagaraj
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lnb Approved by MoEF, Now Delhi* (Valid till 05/02/2024)

"fjhrno", K 3/4, 8. No, 10, L'fondnwnno l loufting fiocloly, Oppmlto Dwfwnalh
 Mobilo : 7240067318, 8378018710 • Tol. : 020 • 2M60202 • M kmn h MJn / magnesspl.co.in • www.horizon.com.in

ANALYSIS REPORT

H3/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS Examl Civil Engineering orvlcos Pvt. Ltd. Dudhall, Kolhapur- 416012.	REPORT NO	HS/LAB/WA/18095
	DATED	04/03/2024
	LAB REFERENCE NO	HS/LABAA/A/1456
	DATE OF SAMPLING	27/02/2024
	START DATE OF ANALYSIS	28/02/2024
	END DATE OF ANALYSIS	04/03/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Woathor Conditions	NATURE	LOCATION
Treated Sewage Waler	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	---	6.70
02	Total Suspended Solids	mg/L	6.00
03	Chemical Oxygen Demand	mg/L	6.90
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	2.60
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.10
07	Total Ammonical Nitrogen as NH3-N	mg/L	0.35
08	Nitrate as NO3	mg/L	0.18
09	Total Kjeldahl Nitrogen as TKN	mg/L	0.55.
10	Total Coliform	MPN/100ml	18.00



For HORIZON SERVICES

M. Nagarkar
 (LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal Is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, ...

Mobile: 72 9 8378018710. Tel.: 020-25460202 • Entail: knta@tespl.co.in/md@haspl.co.in • wra.tespl.co.in



ANALYSIS REPORT

CLIENT'S NAME & ADDRESS Laxmi Civil Engineering Services Pvt Ltd. ■Dudhali, Kolhapur- 416012.	REPORT NO	HS/LAB/WA/17777
	DATED	27/02/2024
	LAB REFERENCE NO	HS/LAB/WA/1436
	DATE OF SAMPLING	20/02/2024
	START DATE OF ANALYSIS	22/02/2024
	END DATE OF ANALYSIS	27/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of •STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	6.84
02	Total Suspended Solids	mg/L	7.00
03	Chemical Oxygen Demand	mg/L	12.80
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	3.20
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.12
07	Total Ammonical Nitrogen as NH3-N	mg/L	0.50
08	Mifratp 3\$ NO3	mg/L	0.25
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.80
10	Total Coliform	MPN/100ml	21.00

For HORIZON SERVICES



MNCLJQIA
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile : 7249867318, 8378018710 • Tel. ; 020 - 25460202 • Email : kmn@hespl.co.in/md@hespl.co.in • www.hespl.co.in



ANALYSIS REPORT

HS/ LAB/ NARI / F/ 7 8 2 1

CLIENT'S NAME & ADDRESS Jflaxmi Civil Engineering Services Pvt. Ltd. Dudhali, Kolhapur- 416012.	REPORT NO	HS/LAB/WA/17298
	DATED	19/02/2024
	LAB REFERENCE NO	HS/LAB/WA/1404
	DATE OF SAMPLING	12/02/2024
	START DATE OF ANALYSIS	14/02/2024
	END DATE OF ANALYSIS	19/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	6.72
02	Total Suspended Solids	mg/L	9.00
03	Chemical Oxygen Demand	mg/L	28.00
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	7.70
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.13
07	Total Ammonical Nitrogen as NH ₄ -N	mg/L	0.65
08	Nitrate as NO ₃	mg/L	0.30
09	Total Kjeldhal Nitrogen as TKN	mg/L	1.00
10	Total Coliform	MPN/10Qml	21.00

For HORIZON SERVICES



M. N. A. G. J. K.

(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree" K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile ■7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in •www.hespl.co.in

ANALYSIS REPORT

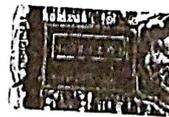
HS/11 ARINARI /E/7 R 2 1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/16725
Laxmi Civil Engineering Services Pvt. Ltd. Dudhali, Kolhapur- 416012.	DATED	07/02/2024
	LAB REFERENCE NO	HS/LAB/WA/1341
	DATE OF SAMPLING	31/01/2024
	START DATE OF ANALYSIS	02/02/2024
	END DATE OF ANALYSIS	06/02/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	---	6.75
02	Total Suspended Solids	mg/L	7.00
03	Chemical Oxygen Demand	mg/L	12.80
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	3.20
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.15
07	total Ammonical Nitrogen as NH ₃ -N	mg/L	0.50
08	Nitrate as NO ₃	mg/L	0.25
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.80
10	Total Coliform	MPN/100ml	14.00



For HORIZON SERVICES

Manoj Kumar
(LAB INCHARGE)

MOEFCC & NABL 17025 Certification renewal is under process.

DISCLAIMER:

- Sample will be retained only for 15 days.
- Above results indicate to the parameters mentioned only.
- The test report shall not be produced for any legal identity or advertised without permission of lab.
- Liability limited till issue of test reports only.
- The effect of results relate only to the item tested.

Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

Shree, K 3rd - Era awane Housing Society. Opposite Deenanath Mangeshkar Hospital, Puno 411 004.
I.KK'e 7249557318, 637601B710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@twspl.co.in • www.twspl.co.in



ANALYSIS REPORT

HS/LAB/WA/16318'

CLIENT'S NAME & ADDRESS Laxmi Civil Engineering Services Pvt Ltd. Dudhali. Kolhapur- 416012.	REPORT NO	HS/LAB/WA/16318'
	DATED	31/01/2024
	LAB REFERENCE NO	HS/LAB/WA/1299
	DATE OF SAMPLING	23/01/2024
	START DATE OF ANALYSIS	24/01/2024
	END DATE OF ANALYSIS	31/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	7.20
02	Total Suspended Solids	mg/L	8.00
03	Chemical Oxygen Demand	mg/L	14.00
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	3.90
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.12
07	Total Ammonical Nitrogen as NH ₃ -N	mg/L	0.42
08	Nitrate as NO ₃	mg/L	0.22
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.60
10	Total Coliform	MPN/100ml	18.00

For HORIZON SERVICES

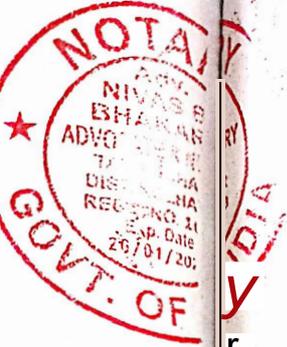


Manoj Kumar
(LAB INCHARGE)

• Liability limited till issue of test reports only.
 • The effect of results relate only to the item tested.
 • Report valid only for 15 days.
 • Report shall not be produced for any legal identity or advertised without permission of lab.

Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing - Chemical Field (TC -7064)

"Shree" K 3/4. S. No, 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004
Mobile: 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in/md@hespl.co.in • v/wv/.hespl.co.in



ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1__

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15729
Laxmi Civil Engineering Services Pvt Ltd. Dudhali, Kolhapur- 416012.	DATED	22/01/2024
	LAB REFERENCE NO	HS/LAB/WA/1256
	DATE OF SAMPLING	15/01/2024
	START DATE OF ANALYSIS	17/01/2024
	END DATE OF ANALYSIS	22/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17 MLD STP Dudhali, Kolhapur (OCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	■*—	7.14
02	Total Suspended Solids	mg/L	7.00
03	Chemical Oxygen Demand	mg/L	12.80
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	3.20
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.10
07	Total Ammonical Nitrogen as NH ₄ -N	mg/L	0.35
08	Nitrate as NO ₃	mg/L	0.20
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.75
10	Total Coliform	■ — MPN/100ml	21.00

For HORIZON SERVICES



Manoj Kumar
(LAB INCHARGE)

J'SCLAIMER:

- This report is valid only for 15 days. Above results indicate to the parameters mentioned only.
- Liability limited till issue of test reports only.
- The effect of results relate only to the item tested.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
Lab NABL Accredited - Testing ■ Chemical Field (TC - 7064)

-qhree' K 3/4 S, No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
Mobile: 7249867318, 8378018710 • Tel.: 020 ■ 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

HS/ AR/NARI /F/7 8.2.1

CLIENT'S NAME & ADDRESS *7 pxml Civil Engineering Services Pvt. Ltd. Dudhali, Kolhapur- 416012.	REPORT NO	HS/LAB/WA/15424
	DATED	15/01/2024
	LAB REFERENCE NO	HS/LAB/WA/1222
	DATE OF SAMPLING	07/01/2024
	START DATE OF ANALYSIS	10/01/2024
	END DATE OF ANALYSIS	15/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
Treated Sewage Water	Kolhapur Municipal Corporation	Normal	Outlet of STP	17MLDSTP • Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION	UNIT	RESULT
01	pH	---	7.22
02	Total Suspended Solids	mg/L	8.00
03	Chemical Oxygen Demand	mg/L	13.00
04	Biochemical Oxygen Demand (27°C for 3 days)	mg/L	3.40
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.11
07	Total Ammonical Nitrogen as NH ₃ -N	mg/L	0.50
08	Nitrate as NO ₃	mg/L	0.20
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.80
10	Total Coliform	_MPN/100ml	21.00

For HORIZON SERVICES



pqLV OuLfiQIMz

(LAB INCHARGE)

DISCLAIMER:

The report is valid for 5 days. Above results indicate 10th day. Parameters mentioned only. Liability limited to issue of test reports only.
This report is produced for any legal identity or advertised without permission of lab. The factory results are only for the tested.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)
 Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

Address: Opposite Deenanath Mangeshkar Hospital, Puna, 411 004
 Tel.: 020 - 2M6(K) • Email: mn@nespl.co.in, mtl@hespl.co.in • www.hespl.co.in
 Mobile: 9820456731, 9820456732, 9820456733, 9820456734, 9820456735, 9820456736, 9820456737, 9820456738, 9820456739, 9820456740



ANALYSIS REPORT

Client: AMUA » SS	POHTNG	HS/LAB/NABL/F/7.8.2.1
Sample: Sewage	LAB REFERENCE NO	HS/LAB/WA/15360
Quantity: 1 liter	DATE OF SAMPLING	11/01/2024
Location: Dudhali, Kolhapur - 416012.	START DATE OF ANALYSIS	HS/LAB/WA/1198
	END DATE OF ANALYSIS	01/01/2024
		03/01/2024
		11/01/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	Weather Conditions	NATURE	LOCATION
1 liter Sewage	Kolhapur Municipal Corporation	Normal	Outlet of STP	17MLD STP Dudhali, Kolhapur (CCT)

RESULTS OF ANALYSIS

SR-NO.	DESCRIPTION	UNIT	RESULT
01	pH	—	7.14
02	Total Suspended Solids	mg/L	5.00
03	Chemical Oxygen Demand	mg/L	6.50
04	5-Day BOD (at 20°C for 5 days)	mg/L	2.40
05	Oil and Grease	mg/L	NIL
06	Phosphorus as P	mg/L	0.09
07	Total Ammonical Nitrogen as NH3-N	mg/L	0.35
08	Nitrate as NO3	mg/L	0.10
09	Total Kjeldhal Nitrogen as TKN	mg/L	0.65
10	Total Coliform	MPN/100ml	18.00

For HORIZON SERVICES



M. N. G. ...
 (LAB INCHARGE)

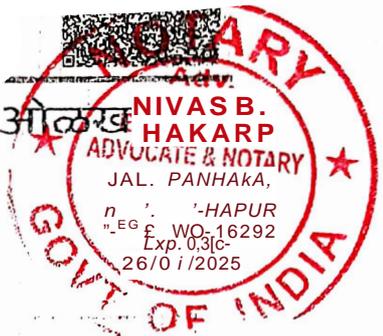
DISCLAIMER: This report shall not be produced for any legal identity or advertised without permission of lab. • Liability limited till issue of test reports only. • The effect of results relate only to the item tested.



भारत GOVT OF INDIA

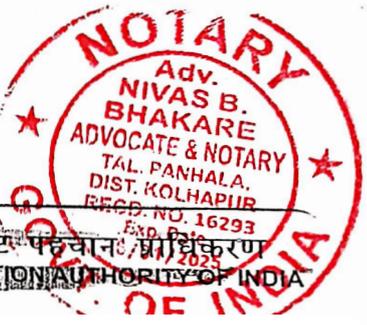


माझे आधार, माझी ओळख



Heads

SELF ATTESTED



भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA