

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL AT
NEW DELHI

IN

ORIGINAL APPLICATION NO. 606 OF 2018
(I.A. No. 163/2021)
(in respect of State of Punjab)

IN THE MATTER OF:

In re: Compliance of Municipal Solid Waste Management Rules, 2016 and other Environmental Issues.

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1.	Affidavit of Dharendra Kumar Tiwari, Additional Chief Secretary, Department of Local Government Punjab, on behalf of the State of Punjab in compliance of order dated 30-05-2024 passed by this Hon'ble Tribunal in the above-mentioned matter.	
2.	ANNEXURE –R1 Fresh Progress/ Status Report and Steps taken by the State for Solid Waste Management.	
3.	ANNEXURE –R2 Fresh Progress/ Status Report and Steps taken by the State for Liquid/ Sewage Waste Management.	

Place: Chandigarh
Date: 21st July, 2024


(Deponent)
Dharendra Kumar Tiwari
Additional Chief Secretary
Department of Local Government Punjab



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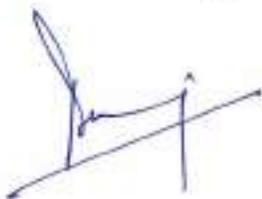
FRESH PROGRESS/ STATUS REPORT IN COMPLIANCE OF ORDER DATED 30-05-2024 PASSED BY THIS HON'BLE TRIBUNAL IN THE ABOVE - MENTIONED MATTER.

I, Dharendra Kumar Tiwari, Additional Chief Secretary, Department of Local Government Punjab, on behalf of Government of Punjab the above-named deponent, do hereby, solemnly affirm and state as under:

IT IS MOST RESPECTFULLY SHOWETH:

1. That on the last date of hearing i.e., 30.05.2024 in OA No.606/2018, this Hon'ble Tribunal has directed as under:

5. *The affidavit dated 24.05.2024 filed by the Chief Secretary, Government of Punjab is silent about the deposit of the said amount under the separate ring-fenced account. Orally, it has been stated by the Learned AAG for State of Punjab, on instructions from the officers virtually present, that the amount in ten separate projects has been earmarked as the ring-fenced account but that was not the direction of the Tribunal and in terms of the direction of the Tribunal, a separate ring-fenced account was to be created.*



1-1-2024
Dharendra Kumar Tiwari
Additional Chief Secretary
Department of Local Government
Punjab

8. *While Examining Annexures to the report, we find that;*

- *There is no correlation between gap in waste processing and legacy waste status in some of the Districts (Annexure I and II).*
- *Similarly, information disclosed in Annexure III on sewage management does not clarify in respect of installed capacities of STPs and the extent to which their capacity is being utilized.*
- *Further, data provided under column (10) regarding discharge water quality from STP mentions similar quality in all STPs and real values have not been given.*

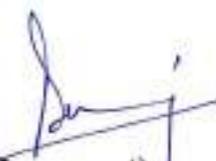
9. *.....We also find that there is huge gap in generation and treatment of the solid as well as the liquid waste management and proper and satisfactory progress in not reflected in the report. We have indicated that in terms of the direction of the Hon'ble Supreme Court in the matter of Paryavaran Suraksha (Supra), the needful was required to be done within the time bound period and the time limit has expired, therefore, now the action is to be taken for failure to comply with the said direction.*

10. *..... that the steps to comply with the direction will be taken and the fresh progress report will be filed within a period of six weeks by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.*

2. That above-named deponent is looking after the work of post of Principal Secretary, Local Government in addition to my present assignment of Additional Chief Secretary, Social Justice, Empowerment and Minorities, Punjab during the leave period (i.e. from 18th July to 8th August, 2024) of Sh. Ajoy Sharma, Principal Secretary, Local Government, Punjab.

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19/07/2024

3. That in compliance of above orders, the Department of Finance, Punjab vide its order No. FD-FB-1012/34/2020-1FBI, 1/886886/2024 dated 19-07-2024 has opened new Sub Head under Major Head-2217 and 8448 in public account as Separate Ring-Fenced Account for depositing the ordered amount of environmental compensation as under:
 - 2217-80-797-01-99-63 (Solid & Liquid Waste Management Fund)
 - 8448-00-120-06-99 (Solid & Liquid Waste Management Fund)
4. That fresh Progress/ Status Reports and Steps taken by the State for attaining scientific Solid Waste Management and Liquid/ Sewage Waste Management is being submitted and are at ANNEXURE R1 and ANNEXURE R2.
5. That the State assures this to Hon'ble Tribunal that all possible efforts will be made to implement its directions in letter and spirit.

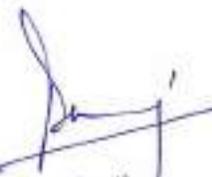

 (Deponent)

Dhirendra Kumar Tiwari
 Additional Chief Secretary
 Department of Local Government Punjab

Place: Chandigarh
 Date: 21st July, 2024

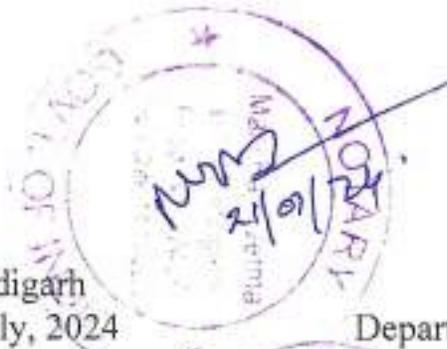
Verification:

Verified that the contents of Paras No. 1 to 5 of the above Affidavit are true and correct to my knowledge as derived from the official record. No part of the above affidavit is false and nothing material has been kept concealed or suppressed therein.


 (Deponent)

Dhirendra Kumar Tiwari
 Additional Chief Secretary
 Department of Local Government Punjab

Place: Chandigarh
 Date: 21st July, 2024



21 JUL 2024
 RAJINDER SARDHANA KAM
 Execution of Document
 attested of ID No.
 8074006939

ATTESTED AS IDENTIFIED
 MANOJ VERMA
 NOTARY, CHANDIGARH (U.T.)

The Contents of this affidavit Document has been explained to the deponent/ executants and they have admitted the same to the effect. The deponent/ executants have signed Register at Sr. No. 17
 E. No. 57 Date: 21-07-2024

Fresh Progress/ Status Report (30th June, 2024) of Solid Waste Management and Liquid Waste Management in compliance of orders dated 30-05-2024 of the Hon'ble National Green Tribunal in AO No.606/2018 (I.A. No. 163/2021) in respect of State of Punjab

FRESH PROGRESS/ STATUS REPORT AS ON 30th JUNE, 2024

1. That on the last date of hearing i.e., 30.05.2024 in OA No.606/2018, this Hon'ble Tribunal has directed as under:

5. *The affidavit dated 24.05.2024 filed by the Chief Secretary, Government of Punjab is silent about the deposit of the said amount under the separate ring-fenced account. Orally, it has been stated by the Learned AAG for State of Punjab, on instructions from the officers virtually present, that the amount in ten separate projects has been earmarked as the ring-fenced account but that was not the direction of the Tribunal and in terms of the direction of the Tribunal, a separate ring-fenced account was to be created.*

8. *While Examining Annexures to the report, we find that;*
 - *There is no correlation between gap in waste processing and legacy waste status in some of the Districts (Annexure I and II).*
 - *Similarly, information disclosed in Annexure III on sewage management does not clarify in respect of installed capacities of STPs and the extent to which their capacity is being utilized.*
 - *Further, data provided under column (10) regarding discharge water quality from STP mentions similar quality in all STPs and real values have not been given.*

9. *.....We also find that there is huge gap in generation and treatment of the solid as well as the liquid waste management and proper and satisfactory progress in not reflected in the report. We have indicated that in terms of the direction of the Hon'ble Supreme Court in the matter of Paryavaran Suraksha (Supra), the needful was required to be done within the time bound period and the time limit has expired, therefore, now the action is to be taken for failure to comply with the said direction.*

10. *..... that the steps to comply with the direction will be taken and the fresh progress report will be filed within a period of six weeks by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.*

2. That fresh Progress/ Status Report and Steps taken by the State for attaining scientific Solid Waste Management during the period in compliance of last order dated 30-05-2024 passed by this Hon'ble Tribunal is as under:

2.1 Creation of Separate Ring Fence Account:

In compliance with the directions of Hon'ble NGT vide its order dated 22.09.2022 and 30.05.2024, the Department of Finance, Punjab vide its order No. FD-FB-1012/34/2020-1FBI, 1/886886/2024 dated 19-07-2024 has opened new Sub Head under Major Head-2217 and 8448 in public account as Separate Ring-Fenced Account for depositing the ordered amount of environmental compensation as under:

- 2217-80-797-01-99-63 (Solid & Liquid Waste Management Fund)
- 8448-00-120-06-99 (Solid & Liquid Waste Management Fund)

Copy of the order dated 19-07-2024 is annexed at **Annexure-I**.

SOLID WASTE MANAGEMENT

- 2.2 To address the issue of low waste processing as has been highlighted by this Hon'ble Tribunal in its orders dated 30-05-2024, the following measures/ steps have been undertaken by the ULBs/ State recently:

- i. Besides available functional waste processing facilities of 2869 TPD capacity (i.e. 8436 honeycomb compost pits, 266 material recovery facilities and 3 central facilities), additional facilities have been created during the period of April to June, 2024 as under:

- a) Windrow Composting facilities (382.50 TPD) has been created on massive scale and made functional in five bigger ULBs:-

Sr No	Name of ULB	Wet Waste Processing Capacity (31 st March, 2024)	Additional Capacity created for Wet Waste	Total Capacity for Wet Waste (30 th June, 2024)	Present Processing of Wet Waste (30 th June, 2024)
		In TPD			
1	Ludhiana MC	40	250	290	266.50
2	Amritsar MC	50	100	150	143.00
3	Patiala MC	47	25	72	98.00
4	Mohali MC	45	5	50	41.92
5	Phagwara	18.50	2.50	21	19.06

MC				
Total	200.50	382.50	583	568.48

b) Eight more Waste Processing Facilities (Compost Units & MRFs) have also been completed and made functional in 8 ULBs as under:

Sr No	Name of ULB	Waste Processing Capacity (31 st March, 2024)	Additional Capacity created	Total Capacity (30 th June, 2024)
				In TPD
1	Pathankot	55	20.0	75
2	Hoshiarpur	90	10.0	100
3	Zirakpur	65	10.0	75
4	Phagwara	12	5.0	17
5	Jandiala Guru	13.5	5.0	18.5
6	Ajnala	13.5	3.0	16.5
7	Kartarpur	10.0	3.0	13
8	Ramdas	6.0	1.5	7.5
Total		265	57.50	322.50

ii. Present status of solid waste processing & channelization by various means is as under:

Sr No	Processing/ Disposal method	Total Quantity being Processed/ Channelized in TPD (30 th June, 2024)
Wet Waste		
1	Composting of Wet Waste	1197
2	Delivery of best edible materials (wet waste) to Gaushala/ Piggeries & open feeding to cattle	183
3	Home Composting (99103 Households)	59
4	Waste Processing by Bulk Waste Generators (BWGs)	61
Dry Waste		
5	Dry waste (saleable) processing/ channelization through informal/ formal waste collectors/ Rag pickers.	874
6	Bailed Dry waste/ MLP processing/ channelization by ULBs through MRFs/ Plastic Waste Processors	200
7	Waste processing/ channelization by Bulk Waste Generators (BWGs)	73
Total		2647 (66%)

iii. It is estimated that 280 TPD plastic wastes including multi layered plastic (approx 7% of total solid waste) is generated in 166 ULBs in the State. Multi layered plastic waste is being channelizing/ processing

through Plastic Waste Processors. PPCB has provided list of 27 Plastic Waste Processors from Punjab State. During the period of September, 2023 to June, 2024, 780 MT MLP waste has been sold to the Plastic Waste Processors by the ULBs and remaining recyclable plastic waste has been channelized through 15857 waste collectors/ informal sector/ junk dealers. Efforts are also being made for management of more plastic waste through Plastic Waste Processors/ PIBOs under EPR.

- iv. MC Ludhiana through its concessionaire M/s Sagar Motors have tied up with NHAI for disposal of bio-soil. Till now, 3 lakh MT bio-soils has been channelized, NHAI has also agreed to NHAI agreed to collect plastic waste from MC Batala for its roads construction (vide letter dated 05-07-2024).
- v. Utilization of 5% RDF as fuel in 96 Industries, list of which has been received from PPCB is being explored.
- vi. Sensitization of Waste Collectors has being done on importance of source segregation in respect of health improvement and increase in their income by maximum recovery of recyclable dry waste and its channelization.
- vii. Reinforced intensive door to door behavior change IEC for strengthening the source segregation of waste and promotion of home composting. Besides ULBs staff, a dedicated team of 128 Community Facilitators -cum- Programme Coordinators, 384 Motivators, 13 Information Education Communication & Capacity Building Experts and 7 Solid Waste Management Experts have been deployed at ULBs level for creation behavior change awareness and capacity building of the stakeholders and more that 500 activities are conducted daily across the ULBs.
- viii. Since 8th June 2024, reinforcement of handholding support/ guidance to laggard ULBs has been done by 9 State Hq teams at ULB level. These teams have covered 70 number ULBs once and 25 ULBs twice.
- ix. Funds amounting to Rs. 438.68 cr have been provided to the ULBs for strengthening the Solid Waste Management and Liquid Waste Management infrastructure. Out of that, Rs.284.72 cr have already been utilized on creation of waste processing/ sewage treatment infrastructure and remaining is being used for the same.

- x. Penal action is being taken against the violators. During first quarter (2024-25), 1592 challans have been issued for violations of Single Use Plastic items including plastic carry bags and 453 challans for waste burning & littering.

2.3 ULB specific initiatives taken during last three months (April to June, 2024) are given below:

Sr No	Name of ULB	Initiative Taken
1	MC Ludhiana	<ul style="list-style-type: none"> • Windrow composting (250 TPD) has been started at Jamalpur (Ludhiana). • Identified approx. 2080 waste collectors to take away segregated saleable dry waste (245.50 MT). • Tied up with five gaushalas in Ludhiana where approx. 6 MT of wet waste is being used for cattle feeding. • MCL through its concessionaire M/s Sagar Motors have tied up with NHAI for disposal of bio-soil. Till now, 3 lakh MT bio-soils out of total 3.81 Lakh MT has been channelized.
2	MC Jalandhar	<ul style="list-style-type: none"> • Four Processing facilities (27 TPD) have been made fully functional and • 4 Sites (115 TPD) have been made ready for windrow composting. • 1150 formal/ informal waste collectors/ Rag pickers have been collecting 81 TPD of saleable dry and its channelization to waste processors.
3	MC Amritsar	<ul style="list-style-type: none"> • Compost pad and 5 Compost units (10 TPD) have been made fully functional. • Windrow composting (100 TPD) at Bhagtawala started. • BWG Compliance (10 TPD). • 125 TPD dry waste is being processed through 1175 Informal/ formal Waste Workers/ Rag pickers, BWGs /Junk dealers
4	MC Patiala	<ul style="list-style-type: none"> • Wet waste processing has increased substantially by starting two windrow composting units (25 TPD). • Have started cattle feeding of wet waste (11 TPD). • Compliance by 4 BWGs. • Dry waste processing has increased by

		integration of Waste collectors/ rag pickers and Waste processors/Junk dealers.
5	MC Pathankot	<ul style="list-style-type: none"> 153 compost pits (25 TPD) including two new MRFs (25 TPD) have been made fully functional.
6	MC Phagwara	<ul style="list-style-type: none"> One newly constructed Compost unit/MRF (5 TPD) with 32 compost pits has been made functional and Existing MRF (05 TPD) has been made fully functional. Windrow composting (2.5 TPD) started.
7	MC Batala	<ul style="list-style-type: none"> MC Batala has entered into an agreement with NHAI for lifting/ utilization of RDF/ MLP from their MRF centers (letter dated 05-07-2024).
8	MC Mohali	<ul style="list-style-type: none"> Windrow composting (5 TPD) has been has been started. Best/edible wet waste (3.50 TPD) is delivered to Gaushala for cattle feeding.

2.4 Under Tendering for additional Processing Facilities: Of the 166 ULBs in the State, 139 numbers of ULBs have adequate capacity for processing of 100% solid waste. Of the remaining 27 ULBs, 23 ULBs have planned to bridge the gap of processing capacity by December 2024 and 04 ULBs namely Amritsar, Jalandhar, Ludhiana and Patiala planned to bridge the gaps by December, 2025. The status of 27 ULBs is as under:

S. No.	Present Status of Processing Facilities (Compost Unit & MRF)	Number of ULBs	Timeline for start to facility operation	Remarks
1	Waste Processing Facilities, now have made operational	2	-	-
2	Under execution stage	11	Dec-2024	
3	Under execution stage	1 (MC Amritsar)	-	Concessionaire issue and under Scrutiny
4	Tendering Stage	10	Dec-2024	
5	Tendering Stage (for three ULBs)	3 (Ludhiana, Jalandhar)	Dec-2025	

		& Patiala)		
	Total	27		

The progress of 27 ULBs is annexed at **Annexure-II**.

2.5 Strengthening of Infrastructure

- Details of existing SWM infrastructure is as under:

Sr No	Infrastructure	Numbers
1	Compost pits (Honeycomb)	8436
2	Material Recovery Facilities	266
3	Central Waste Processing Facility at Bathinda	1 (350 TPD capacity)
4	Central Waste Processing Facility at Ludhiana	<ul style="list-style-type: none"> • 1 (800 TPD capacity). • Now out of above total capacity, windrow composting (250 TPD) has been made functional.
5	Central Waste Processing Facility at Amritsar	<ul style="list-style-type: none"> • 1 (100 TPD Capacity) • Now out of above total capacity, windrow composting (100 TPD) has been made functional.
6	Tricycles with partition for wet & dry waste	9366
7	Mechanized Vehicles with partition for wet & dry waste	2937
8	Bailing Machines for Dry Waste at MRFs	172 (in 153 ULBs) and remaining 13 ULBs are in process of execution.
9	C&D Waste Management Units	<ul style="list-style-type: none"> • 145 Units including three mini processing units of 5 TPD each at Bathinda, Mohali and Patiala • 2 Plants (60 TPD at Amritsar and 100 TPD at Jalandhar) • 1 Plant (100 TPD) at Ludhiana is under construction.

- Besides the above existing SWM infrastructure (Waste Processing Facilities, Machineries & Vehicles for Waste Collection & Transportation), it is being further strengthened. For this, SNA limit of Rs. 92 cr has been assigned to the ULBs during the first quarter (2024-25) for strengthening of waste collection - transportation by deploying additional mechanized/ manual

vehicles, upgradation/ repairs/ renovation/ new construction of waste processing infrastructure (i.e. Material Recovery Facilities, Composting Units/ Bio-methanation plants) and for remediation of legacy waste is a continuing process.

2.6 Bio-CNG plants:

The state is implementing sixteen numbers of Compressed Biogas Plants (CBG -Plants) to process Municipal wet Waste generated in ULBs of Punjab through a public-private partnership (PPP) mode. 14 ULBs have already issued Requests for Proposal (RFPs) for the CBG -Plants. One plant at Mandi Gobindgarh has been made operational from 15th July, 2024. The timeline for the execution of the proposed CBG -Plants is as follows:

S.No.	Name of ULB	Plant Capacity (in TPD)	Present status	Timeline for start to Plant operation
1	Mandi Gobindgarh	15	Operational from 15 th July, 2024	-
2	Jalandhar	100	In Bid evaluation process	Oct, 2025
3	Khanna	40	In tendering Process	Aug, 2025
4	Ludhiana	200	In tendering Process	Dec, 2025
5	Batala	20	In tendering Process	Aug, 2025
6	Mohali & Zirakpur	100	In tendering Process	Oct, 2025
7	Patiala	100	In tendering Process	Oct, 2025
8	Pathankot	30	In tendering Process	Aug, 2025
9	Abohar	35	In tendering Process	Aug, 2025
10	Hoshiarpur	30	In tendering Process	Aug, 2025
11	Moga	30	In tendering Process	Aug, 2025
12	Kharar	50	In tendering Process	Aug, 2025
13	Amritsar	200	In DPR preparation stage	Dec, 2025
14	Bathinda	50	In DPR preparation stage	Dec, 2025
15	Phagwara	30	In DPR preparation stage	Oct, 2025
16	Sri Muktsar Sahib	20	In DPR preparation stage	Oct, 2025
Total		1050		

- The state is also planning to collaborate with ONGC subsidiaries like HPCL and GAIL to establish some of the proposed Compressed Biogas (CBG)

Plants. Multiple rounds of discussions have been held with ONGC entities, and we expect to finalize this partnership by the end of this month.

- An Industry Consultation meeting has also been held on 15th July, 2024 for maximum participation in ongoing tenders of CBG plants.

2.7 Waste to Energy/ RDF plants

The State planned to setup two Waste to Energy Plants (WtE Plants) based on Refused Derived Fuel (RDF) generated from commercially non-recyclable municipal dry waste generated after fresh waste processing and legacy waste remediation in the ULBs of Punjab through a public-private partnership (PPP) mode. Since there are no cement plants or WtE plants in the State, the ULBs incur significant transportation costs for disposing of RDF. The establishment of the WtE plants will also provide a solution for the disposal of RDF for surrounding ULBs. The implementation timeline for the proposed WtE Plants is as under:

S. No.	Name of ULB	Plant proposed Capacity (in MW)	Present status	Timeline
1	Ludhiana	10	In DPR preparation stage	July, 2026
2	Amritsar	10	Concessionaire issue and under scrutiny.	

2.8 Information, Education & Communication & Capacity Building:

- That the massive awareness campaign (focusing on importance of source segregation of waste, home composting, waste processing, garbage free environment and sanitation & hygiene) and handholding support to the ULBs has been continuously going on for sustaining source segregation of waste etc at ULB level through a team of 400+ Community Facilitators/ Motivators, Public announcements and dry waste plogging/ picking drives.
- Intensification of IEC activities for home composting, source segregation and health & environment hazards of SUP usage. More than 500 activities are conducted daily across the ULBs.
- That the capacity building of D2D Waste Collectors/ Rag Pickers /Sanitation Workers/ SafaiMitra, middle and senior level staff for solid and liquid waste management both is an ongoing process in campaign mode.

- Sensitization of Waste Collectors, Rag pickers for better source segregation and tertiary segregation for maximum recovery of recyclable dry waste.

2.9 Monitoring of Progress from State:

- At the level of Chief Secretary with Municipal Commissioners and Additional Deputy Commissioners & PWSSB, DSTE and PPCB.
- At the level of Principal Secretary, Department of Local Government with Municipal Commissioners, Additional Deputy Commissioners, Executive Officer and Engineers at on dated 28-05-2024, 07-06-2024, 12-06-2024, 25-06-2024 for improving the processing of Solid Waste and expediting the remediation of Legacy Waste.

2.10 Constitution of Special State level team for ground monitoring/ handholding support/ guidance at ULB level:

- To provide impetus and regain the declining trend of source segregation and processing of waste, nine Special teams of officers comprising Chief Engineers/ Superintending Engineers/ Project Director/ Additional Project Director from head quarter have been constituted for ground checking of actual progress of source segregation, processing etc / handholding support / guidance in the laggard ULBs.
- 60 number ULBs have been visited by the teams twice/thrice. 54 numbers ULBs at middle level of processing of waste have also been visited by these teams.
- Additional Deputy Commissioners have also been visiting laggard ULBs falling under their jurisdiction.

2.11 Comparative Progress of Solid Waste Management:

During this period (April to June, 2024), daily waste processing has increased by 15% i.e., from 51% to 66% .The comparative progress as on 31st March, 2024 and 30th June, 2024 is as under:

Particulars	31 st March, 2024	30 th June, 2024
Solid Waste Generation (TPD)	4008	4008
Waste Processing (%)	51% (2040 TPD)	66% (2647 TPD)

Total Legacy Waste (lakh MT)	84.09	84.09
• Remediation completed (lakh MT)	26.68	30.22
• Balance Legacy Waste (lakh MT)	57.41	53.87

ULB/ town/ city wise fresh progress of solid waste management – generation & treatment is annexed at **Annexure-III**.

3. Legacy Waste Remediation:

- Out of total 84.09 lakh MT Legacy waste, 30.22 lakh MT has already been remediated upto 30th June, 2024. During the period (April to June, 2024), 3.54 lakh MT legacy waste has been remediated. Summary of legacy waste remediation is as under:

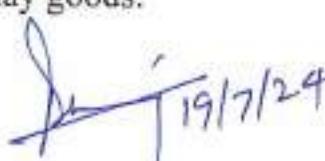
S. No.	Present Status of Remediation work	Number of ULBs	Total quantity of Legacy waste Quantity (In TPD)	Legacy waste Quantity remediated till date (In TPD)	Timeline for completion of remediation work
1	Remediation work completed	79	143707	143707	Completed
2	Under execution (more than 50% work completed)	51	1478795	1494471	September, 2024
3	Under execution (less than 50% work completed)	32	1423094	327535	December, 2024
		1	413441	270287	December, 2025 Mohali (Phase -2)
4	Under execution (ULBs having more than 5 Lakh tons of legacy waste)	3	2450000	786000	December, 2027 (Ludhiana -5 Lakh MT/ Phase -1, Amritsar & Jalandhar)
5	Under Tendering stage	1	2500000	0	December, 2027 (Ludhiana, Phase - 2 tender)
Total		166	8409037	3022000	

ULB/ town/ city wise progress of legacy waste remediation is annexed at **Annexure-IV**.

- That State is facing key challenge in plastic waste management especially commercially non-recyclable plastics (i.e. multi layer plastics/ packaging etc) due to avoidance responsibility by Producers, Importers and Brand Owners (PIBOs) to manage the plastic waste introduced by them.

- i. That the Producers, Importers and Brand Owners (PIBOs) have mandate to manage the plastic/MLP waste generated by them under the provisions of Extended Producers Responsibility (EPR) of Solid & Plastic Waste Management Rules through Plastic Waste Processors or their own or providing the financial assistance to the ULBs for the same. But, unfortunately the PIBOs have been doing a lip service and they are neither interested for giving financial assistance to ULBs for collection & management of plastic waste nor they lift plastic waste from MRFs of ULBs. They manage the waste generated by them Pan India from anywhere to meet their waste management annual targets. Instead pan India targets, State wise target should be fixed for plastic waste management by the PIBOs.
- ii. Unnecessary and excessive plastic packaging of products needs to be banned pan India. This time, even those products are being packed in plastic which never its need (i.e. brooms, vegetables & fruits, metallic/ plastic items etc).
- iii. All type of plastic carry bags irrespective of thickness, size, color and so called compostable plastic bags needs to be banned pan India to curb the issue of choking sewer lines, water bodies, waste burning and waste dumping in plastic bags. It is further submitted that plastic carry bags are big hurdle in scientific waste management as people keep the mixed waste in plastic bags being used for carrying vegetables, fruits and other day to day goods.


 (Deepti Uppal, IAS)
 Chief Executive Officer
 PMIDC, Chandigarh
 Dated:18-07-2024


 (Dhirendra Kumar Tiwari, IAS)
 Additional Chief Secretary to Govt of Punjab
 Department of Local Government, Punjab
 Dated:18-07-2024

Fresh Progress/ Status Report (30th June, 2024) of Liquid Waste Management in compliance of orders dated 30-05-2024 of the Hon'ble National Green Tribunal in AO No.606/2018 (I.A. No. 163/2021) in respect of State of Punjab

SEWAGE WASTE MANAGEMENT

Progress of sewage generation & treatment (September, 2023 to June, 2024)

- i. As on date, 1905.85 MLD sewage waste is being treated out of total 2219.91 MLD. The details of total sewage generation, treatment and gap is as under:

September 2023				June 2024		
Total Town	Sewage Generation (MLD)	Sewage Treatment (MLD)	Gap (MLD)	Sewage Generation (MLD)	Sewage Treatment (MLD)	Gap (MLD)
166	2212.00	1885.42 (in 88 Towns)	326.58	2219.91	1905.85 (128 STPs in 94 Towns)	314.06 (including 37.50 MLD being treated through In-situ remediation)

- Gap in sewage generation and treatment from September 2023 to June 2024 is reduced by 12.52 MLD (326.58 MLD – 314.06 MLD) by completion of six STPs i.e. Adampur (2.10 MLD), Balachaur (3.10 MLD), Dirba (2.50 MLD), Goraya (2.40 MLD), Gardiwala (1.00 MLD), Rawal and colonies (1.40 MLD).

Details of completed STPs alongwith installed capacities is annexed at **Annexure –V**.

- ii. **Planning to bridge the Gap (314.06 MLD):** The action plan for bridging the gap in sewage generation and treatment (314.06 MLD) is as under:

Current Gap			Planning			Annexure
Status of STPs	Towns (Nos)	Gap in Sewage Treatment (in MLD)	STPs (Nos)	Installed Capacity of STPs (in MLD)	Timelines of Completion of STPs	ULB wise Status/ Progress
Under Construction	40	146.74	47	210.50	<ul style="list-style-type: none"> • 33 STPs of 153.00 MLD installed capacity (28 Towns) by 31.12.2024 • 14 STPs of 57.50 MLD installed capacity (12 Towns) by 31.12.2025 	Annexure -VI
Under Construction (Peri Urban areas)	-	8.10	4	10.05	<ul style="list-style-type: none"> • 4 STP of 10.05 MLD installed capacity by December 2024 	Annexure -VII
Sub- Total		154.84	51	220.55	51 STPs (220.55 MLD)	
Under Planning	32	159.22	50	271.60	<ul style="list-style-type: none"> • 43 STPs of 190.40 MLD proposed capacity by 31.12.2025 • 7 STPs of 81.20 MLD proposed capacity by 31.12.2026 	Annexure -VIII
Sub- Total		159.22	50	271.60	50 STPs (271.60 MLD)	
Grand Total		314.06	101	492.15	101 STPs (492.15 MLD)	

- **In-situ Remediation:** Where it is feasible, In-situ remediation is being done in 21 towns (37.50 MLD). In other 2 towns (3.45 MLD), work of setting up In-situ remediation is under progress.
- The untreated 276.56 MLD waste water (total gap of 314.06 MLD – 37.50 MLD being treated through In-situ remediation) is being discharge in nearby drains. The detail of disposal of untreated waste water is as under:-

Sr No	Status of STPs	Untreated Waste water (MLD)	Discharged in MLD
1	Under Construction (40 Towns)	154.84	<ul style="list-style-type: none"> • 105.44 MLD in nearby drains • 27.90 MLD in ponds • 21.50 MLD (In-situ remediation in 12 towns).
2	Under Planning (32 Towns)	159.22	<ul style="list-style-type: none"> • 131.31 MLD in nearby drains • 11.91 MLD in ponds • 16.00 MLD (In-situ remediation in 9 towns).
Total		314.06	<ul style="list-style-type: none"> • Untreated discharge: 276.56 MLD • In-situ remediated Discharge: 37.50 MLD

iii. Monitoring of STPs

Quality Test of Treated Sewage: In the towns, quality of treated sewage is tested from NABL Accredited Laboratories i.e. PPCB, PBTI etc. Recently, test reports (May-June, 2024) of 120 STPs have been received and 107 STPs – found complying the prescribed quality parameters (BOD, COD and F-Coli) as under:

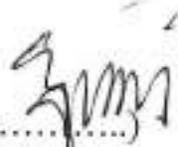
Quality Test (Nos of STPs)			
Department entrusted with O&M of STPs	Total	Complying	Non-Complying
PWSSB	83	78	5
ULBs	30	24	6
DWSS	3	3	0
GLADA	1	0	1
GMADA	3	2	1
Total	120	107	13

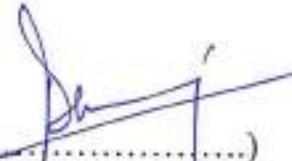
- Quality of the treated waste water is being tested regularly from NABL Accredited laboratories.
- For ensuring proper working of STPs, CCTV camera at 59 STPs with online 24x7 access have already been installed.
- Remedial measures are being taken to reduce non compliance of STPs by way of sensitization of Concerned Officers and O&M agencies to adopt proactive approach towards quality of treated sewage and also application of requisite dose of chlorine is ensured to achieve the desired/permissible Fecal Coliform standards of treated waste water.

Copies of Test Reports is annexed at **Annexure -IX**.

iv. Additional Efforts/ Measures: Efforts are being made for treatment of sewage and utilization of treated waste water in irrigation as under:

- **Reuse of Treated Waste Water:** 325 MLD treated waste water is being utilized in irrigation in around 10000 hectare land. Work at 22 projects (approx. 304 MLD treated water utilization) is under execution stage.
 - a. Out of 1905.85 MLD treated waste water, 325 MLD treated waste water is presently used for irrigation purpose (around 10000 hectare land) by laying underground grid pipeline system.
 - b. Irrigation project for 25 STPs under NABARD – IDF 25, 5 STPs under NABARD – IDF 26, 56 ULBs under SBM 2.0 have been sanctioned for utilization 1520 MLD treated waste water for irrigation
 - c. 90 KLD treated waste water is also being used for sprinkling on roads in the ULBs.
 - d. Treated water utilization works at 22 projects (approx. 304 MLD) is under execution stage.


 (.....)
 Chief Executive Officer
 PWSSB, Chandigarh
 Dated: 16-07-2024


 (.....)
 Secretary to Govt of Punjab
 Department of Local Government, Punjab
 Dated: 16-07-2024

File No. FD-FB-1012/34/2020-1FB1/I/886886/2024

GOVERNMENT OF PUNJAB
DEPARTMENT OF FINANCE
(FINANCE BUDGET-1-BRANCH)

ORDER

The Governor of Punjab is pleased to order the opening of New Sub-Head under Major Head- 2217 and 8448 for the Department of Local Government, under the following Head of Account, namely:-

Sr. No.	Demand No.	17-Local Government
1.	Major-Head	2217 – Urban Development
	Sub-Major-Head	80 – General
	Minor-Head	797-Transfer to/From Reserve Fund/Deposit Account.
	Sub-Head	01 –Solid and Liquid Waste Management Fund.
	Detailed-Head	99-No Detail Head
	S.O.E.	63-Inter Account Transfer
2.	Major-Head	8448-Deposits of Local Funds.
	Sub-Major-Head	00
	Minor-Head	120-Other Funds
	Sub-Head	06-Solid and Liquid Waste Management Fund.
	Detailed-Head	99-No Detail Head
	S.O.E.	--

Note :- Regarding Sr. No. 2 both receipt and payments side are operated in same classification.

Dated Chandigarh
The 19.07.2024

Harwinder Singh
Deputy Secretary cum-Budget officer
Department of Finance

No: 1012/34/2020-1FB1/I/ 886886/2024

Dated Chandigarh, the 19.07.2024

A copy is forwarded to:

1. The Accountant General (A&E) Punjab, Chandigarh for information and necessary action.
2. The Accountant General (Audit) Punjab, Chandigarh for information and necessary action.

Superintendent

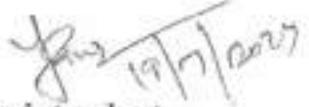
No: 1012/34/2020-1FB1/I/886886/2024

Dated Chandigarh, the 19.07.2024

A copy is forwarded to the Secretary to Government of Punjab Department of Local Government, Chandigarh, for information & necessary action with

the request to supply the Following information to the Accountant General, Punjab (A&E):-

1. The name of the controlling officer, who will incur and reconcile the expenditure under the scheme.
2. The name of the Grant.

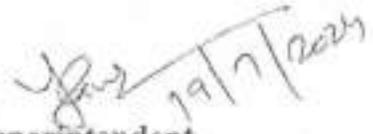

19/7/2024
Superintendent

No: 1012/34/2020-1FB1/I/886886/2024

Dated Chandigarh, the 19.07.2024

A copy is forwarded to the followings for information & necessary action:-

1. Superintendent, Finance Expenditure - 6 Branch for information and necessary action.
2. The Director, Treasury and Accounts, Punjab, Chandigarh
3. The In-charge, N.I.C, Punjab, Chandigarh.


19/7/2024
Superintendent



Status of Processing Facilities (Compost Units & MRFs) in 27 ULBs				
S.No	Name of ULBs	Name of Districts	Timelines	Present status
1	Phagwara MC	Kapurthala	NA	Plant is operational now
2	Moonak	Sangrur	NA	Plant is operational now
3	Majitha	Amritsar	December, 2024	Under execution stage
4	Rampura Phul	Bathinda	August, 2024	Under execution stage
5	Maur	Bathinda	August, 2024	Under execution stage
6	Raman	Bathinda	August, 2024	Under execution stage
7	Mehraj	Bathinda	August, 2024	Under execution stage
8	Sangat mandi	Bathinda	August, 2024	Under execution stage
9	Machiwara	Ludhiana	December, 2024	Under execution stage
10	Malerkotla	Malerkotla	December, 2024	Under execution stage
11	Adda Devigarh	Patiala	September, 2024	Under execution stage
12	Anandpur Sahib	Roopnagar	December, 2024	Under execution stage
13	Sunam	Sangrur	December, 2024	Under execution stage
14	Amritsar MC	Amritsar	December, 2025	Concessionaire issue and under Scrutiny
15	Pathankot MC	Pathankot	December, 2024	Under Tendering stage
16	Kapurthala MC	Kapurthala	December, 2024	Under Tendering stage
17	Bhai Roopa	Bathinda	August, 2024	Under Tendering stage
18	Kotkapura	Faridkot	October, 2024	Under Tendering stage
19	Haryana	Hoshiarpur	December, 2024	Under Tendering stage
20	Khanna	Ludhiana	December, 2024	Under Tendering stage
21	Ahmedgarh	Malerkotla	December, 2024	Under Tendering stage
22	NayaGaon	Mohali	December, 2024	Under Tendering stage
23	Gidderbaha	Muktsar	September, 2024	Under Tendering stage
24	Bhawanigarh	Sangrur	December, 2024	Under Tendering stage
25	Ludhiana MC	Ludhiana	December, 2025	Under Tendering stage
26	Jalandhar MC	Jalandhar	December, 2025	Under Tendering stage
27	Patiala MC	Patiala	December, 2026	Under Tendering stage

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD)	% Processing
1	Ludhiana	Ludhiana MC	1031.00	450.00	43.65
2	Amritsar	Amritsar MC	500.00	295.00	59.00
3	Jalandhar	Jalandhar MC	500.00	225.00	45.00
4	Patiala	Patiala MC	259.00	160.00	61.78
5	Bathinda	Bathinda MC	110.00	110.00	100.00
6	Hoshiarpur	Hoshiarpur MC	50.00	46.00	92.00
7	Mohali	Mohali MC	75.00	75.00	100.00
8	Moga	Moga MC	40.00	35.23	88.08
9	Gurdaspur	Batala MC	40.00	40.00	100.00
10	Pathankot	Pathankot MC	60.00	50.00	83.33
11	Fazilka	Abohar MC	46.00	35.00	76.09
12	Kapurthala	Kapurthala MC	26.80	24.00	89.55
13	Kapurthala	Phagwara MC	31.10	28.00	90.03
14	Amritsar	Jandiala Guru	6.20	5.00	80.65
15	Amritsar	Ajnala	6.50	5.00	76.92
16	Amritsar	Rayya	2.00	1.20	60.00
17	Amritsar	Majitha	3.50	1.14	32.57
18	Amritsar	Raja Sansi	2.80	2.80	100.00
19	Amritsar	Ramdass	1.00	0.97	97.00
20	Amritsar	Baba Bakala	1.20	0.90	75.00
21	Barnala	Barnala	29.00	20.00	68.97
22	Barnala	Tapa	4.00	3.10	77.50
23	Barnala	Dhanaula	4.00	3.00	75.00
24	Barnala	Bhadaur	4.00	2.00	50.00
25	Barnala	Handiaya	3.00	1.50	50.00
26	Bathinda	Rampura Phul	15.21	12.00	78.90
27	Bathinda	Maur	8.11	8.11	100.00
28	Bathinda	Raman	5.07	5.07	100.00
29	Bathinda	Talwandisabo	5.07	5.07	100.00
30	Bathinda	Mehraj	4.05	4.05	100.00
31	Bathinda	Goniana	4.05	4.05	100.00

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD)	% Processing
32	Bathinda	BhuchoMandi	4.05	4.05	100.00
33	Bathinda	Bhai Roopa	4.05	4.05	100.00
34	Bathinda	Bhagta Bhai	4.05	4.05	100.00
35	Bathinda	KotShamir	3.04	3.04	100.00
36	Bathinda	Lehra Mohabbat	3.04	3.04	100.00
37	Bathinda	Kotha Guru	2.03	2.03	100.00
38	Bathinda	Nathana	2.03	2.03	100.00
39	Bathinda	Kotfatta	2.03	2.03	100.00
40	Bathinda	Maluka	2.03	2.03	100.00
41	Bathinda	Sangat mandi	1.01	1.01	100.00
42	Faridkot	Kotkapura	29.00	29.00	100.00
43	Faridkot	Faridkot	17.98	17.97	99.96
44	Faridkot	Jaitu	8.70	6.40	73.56
45	Fatehgarh Sahib	Mandi	37.00	28.00	75.68
46	Fatehgarh Sahib	Sirhind	13.00	13.00	100.00
47	Fatehgarh Sahib	BassiPathana	4.00	4.00	100.00
48	Fatehgarh Sahib	Amloh	4.20	3.00	71.43
49	Fatehgarh Sahib	Khamano	4.50	4.50	100.00
50	Fazilka	Fazilka	22.00	22.00	100.00
51	Fazilka	Jalalabad	10.00	10.00	100.00
52	Fazilka	Arniwala	2.20	1.96	89.09
53	Ferozepur	Ferozepur	37.00	32.50	87.84
54	Ferozepur	Zira	9.00	7.20	80.00
55	Ferozepur	TalwandiBhai	4.00	4.00	100.00
56	Ferozepur	Guru Harsahai	5.80	5.80	100.00
57	Ferozepur	Mallanwala	4.00	4.00	100.00
58	Ferozepur	Makhu	4.00	4.00	100.00
59	Ferozepur	Mudki	3.00	3.00	100.00
60	Ferozepur	Mamdot	2.50	2.50	100.00
61	Gurdaspur	Gurdaspur	28.00	20.00	71.43
62	Gurdaspur	Dina Nagar	6.00	4.92	82.00

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD)	% Processing
63	Gurdaspur	Quadian	3.80	3.56	93.68
64	Gurdaspur	Dhariwal	3.50	3.50	100.00
65	Gurdaspur	Sri Hargobindpur	1.50	1.39	92.67
66	Gurdaspur	Dera Baba Nanak	1.20	0.70	58.33
67	Gurdaspur	FatehgarhChurian	4.80	2.56	53.33
68	Hoshiarpur	Mukerian	5.00	4.97	99.40
69	Hoshiarpur	Dasuya	5.00	5.00	100.00
70	Hoshiarpur	UrmarTanda	4.50	4.50	100.00
71	Hoshiarpur	Talwara	1.70	1.70	100.00
72	Hoshiarpur	Garhshankar	2.40	2.40	100.00
73	Hoshiarpur	Mahilpur	1.30	1.27	97.69
74	Hoshiarpur	Hariana	2.50	2.50	100.00
75	Hoshiarpur	Garhdiwala	1.60	1.35	84.38
76	Hoshiarpur	Shamchurasi	1.00	0.70	70.00
77	Jalandhar	Nakodar	8.00	8.00	100.00
78	Jalandhar	Kartarpur	7.50	7.50	100.00
79	Jalandhar	Phillaur	4.00	4.00	100.00
80	Jalandhar	Adampur	4.00	4.00	100.00
81	Jalandhar	Bhogpur	4.00	4.00	100.00
82	Jalandhar	Goraya	6.00	0.67	11.17
83	Jalandhar	Nurmahal	3.40	2.85	83.82
84	Jalandhar	Shahkot	4.00	4.00	100.00
85	Jalandhar	Lohian Khas	4.00	4.00	100.00
86	Jalandhar	Bilga	3.00	3.00	100.00
87	Jalandhar	Alawalpur	2.00	2.00	100.00
88	Jalandhar	Mehatpur	3.00	2.90	96.67
89	Kapurthala	Sultanpur Lodhi	4.00	4.00	100.00
90	Kapurthala	Bhulath	2.70	2.47	91.48
91	Kapurthala	Begowal	1.16	1.16	100.00
92	Kapurthala	Dhilwan	1.34	1.28	95.52
93	Kapurthala	Nadala	0.70	0.70	100.00

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD)	% Processing
94	Ludhiana	Khanna	87.00	70.00	80.46
95	Ludhiana	Jagraon	22.00	19.07	86.68
96	Ludhiana	Raikot	7.00	6.71	95.86
97	Ludhiana	Doraha	6.00	4.86	81.00
98	Ludhiana	Machiwara	10.00	9.00	90.00
99	Ludhiana	Sahnewal	9.00	9.00	100.00
100	Ludhiana	Samrala	8.00	7.00	87.50
101	Ludhiana	MullanpurDakha	5.00	4.54	90.80
102	Ludhiana	Payal	1.00	0.85	85.00
103	Ludhiana	Maloud	1.00	0.80	80.00
104	Malerkotla	Malerkotla	56.00	53.73	95.95
105	Malerkotla	Ahmedgarh	9.20	6.90	75.00
106	Malerkotla	Amargarh	1.39	1.26	90.65
107	Mansa	Mansa	20.00	17.00	85.00
108	Mansa	Budhlada	3.50	2.80	80.00
109	Mansa	Sardulgarh	5.00	5.00	100.00
110	Mansa	Bhikhi	4.00	1.60	40.00
111	Mansa	Bareta	4.00	3.00	75.00
112	Mansa	Boha	2.50	1.14	45.60
113	Mansa	Joga	2.00	0.95	47.50
114	Moga	Baghapurana	6.00	4.00	66.67
115	Moga	Dharamkot	5.00	5.00	100.00
116	Moga	Fatehgarh	0.50	0.50	100.00
117	Moga	Kot isse Khan	2.50	2.50	100.00
118	Moga	Nihal Singh Wala	2.41	1.40	58.09
119	Moga	BadhniKalan	2.50	0.55	22.00
120	Mohali	Zirakpur	43.00	41.00	95.35
121	Mohali	Kharar	28.00	28.00	100.00
122	Mohali	NayaGaon	45.00	45.00	100.00
123	Mohali	Kurali	9.00	7.50	83.33
124	Mohali	DeraBassi	13.00	13.00	100.00

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD) (TPD)	% Processing
125	Mohali	Lalru	5.00	5.00	100.00
126	Mohali	Banur	5.00	4.28	85.60
127	Mohali	Gharuan	0.00	1.50	100.00
128	Muktsar Sahib	Muktsar Sahib	37.00	34.00	91.89
129	Muktsar Sahib	Malout	15.00	15.00	100.00
130	Muktsar Sahib	Gidderbaha	13.00	13.00	100.00
131	Muktsar Sahib	Bariwala	2.00	1.80	90.00
132	Nawanshar	Nawanshahr	6.00	6.00	100.00
133	Nawanshar	Balachaur	1.50	1.25	83.33
134	Nawanshar	Banga	6.00	4.60	76.67
135	Nawanshar	Rahon	1.00	1.00	100.00
136	Pathankot	Sujanpur	6.20	4.90	79.03
137	Pathankot	Narot Jaimal	1.00	0.83	83.00
138	Patiala	Rajpura	29.00	23.00	79.31
139	Patiala	Nabha	15.10	11.00	72.85
140	Patiala	Samana	13.00	13.00	100.00
141	Patiala	Patran	7.00	7.00	100.00
142	Patiala	Sanaur	5.00	5.00	100.00
143	Patiala	Ghagga	2.00	2.00	100.00
144	Patiala	Bhadson	1.00	1.00	100.00
145	Patiala	Ghanaur	0.70	0.70	100.00
146	Patiala	Adda Devigarh	2.60	0.35	13.46
147	Roopnagar	Ropar	12.00	11.00	91.67
148	Roopnagar	Nangal	11.00	9.66	87.82
149	Roopnagar	Morinda	8.00	7.10	88.75
150	Roopnagar	Anandpur Sahib	2.50	2.50	100.00
151	Roopnagar	Chamkaur Sahib	4.00	4.00	100.00
152	Roopnagar	Kiratpur	1.00	1.00	100.00
153	Sangrur	Sangrur	30.00	22.00	73.33
154	Sangrur	Sunam	15.00	3.50	23.33
155	Sangrur	Dhuri	16.00	12.00	75.00

Solid Waste Generation & Treatment Progress as on 30th June, 2024					
S.No	District	ULB	Solid Waste generation (in TPD)	Waste Processed/ Channelized (in TPD) (TPD)	% Processing
156	Sangrur	Longowal	2.90	1.70	58.62
157	Sangrur	Lehragaga	3.40	2.40	70.59
158	Sangrur	Bhawanigarh	6.51	4.50	69.12
159	Sangrur	Moonak	3.60	1.92	53.33
160	Sangrur	Dirba	3.00	2.20	73.33
161	Sangrur	Khanauri	3.00	1.88	62.67
162	Sangrur	Cheema	2.00	0.50	25.00
163	Tarn Taran	Tarn Taran	12.00	10.50	87.50
164	Tarn Taran	Patti	8.00	7.52	94.00
165	Tarn Taran	Bhikhi Wind	3.50	3.29	94.00
166	Tarn Taran	Khemkaran	3.00	3.00	100.00
Total			4008	2647	66.04

Legacy Waste Remediation Progress as on 30th June, 2024				
S.No	District	ULB	Total Legacy Waste (in MT)	Total Remediated (in MT)
1	Ludhiana	Ludhiana MC	3000000.00	381000.00
2	Amritsar	Amritsar MC	1150000.00	405000.00
3	Jalandhar	Jalandhar MC	800000.00	0.00
4	Patiala	Patiala MC	393700.00	219284.00
5	Bathinda	Bathinda MC	353000.00	224600.00
6	Hoshiarpur	Hoshiarpur MC	120600.00	110100.00
7	Mohali	Mohali MC	413441.00	270287.00
8	Moga	Moga MC	120000.00	129481.00
9	Gurdaspur	Batala MC	33608.00	34613.00
10	Pathankot	Pathankot MC	56000.00	55000.00
11	Fazilka	Abohar MC	50400.00	48920.00
12	Kapurthala	Kapurthala MC	97820.00	97495.00
13	Kapurthala	Phagwara MC	58000.00	23500.00
14	Amritsar	Jandiala Guru	12500.00	2010.00
15	Amritsar	Ajnala	35000.00	4000.00
16	Amritsar	Rayya	1950.00	1950.00
17	Amritsar	Majitha	250.00	250.00
18	Amritsar	Raja Sansi	0.00	0.00
19	Amritsar	Ramdass	0.00	0.00
20	Amritsar	Baba Bakala	400.00	400.00
21	Barnala	Barnala	28000.00	0.00
22	Barnala	Tapa	300.00	288.00
23	Barnala	Dhanaula	0.00	0.00
24	Barnala	Bhadaur	800.00	800.00
25	Barnala	Handiaya	1991.00	310.00
26	Bathinda	Rampura Phul	40200.00	0.00
27	Bathinda	Maur	0.00	0.00
28	Bathinda	Raman	0.00	0.00
29	Bathinda	Talwandisabo	450.00	1000.00
30	Bathinda	Mehraj	0.00	0.00
31	Bathinda	Goniana	11600.00	6380.00
32	Bathinda	BhuchoMandi	1690.00	1690.00
33	Bathinda	Bhai Roopa	0.00	0.00
34	Bathinda	Bhagta Bhai	0.00	0.00
35	Bathinda	KotShamir	0.00	0.00
36	Bathinda	Lehra Mohabbat	0.00	0.00

Legacy Waste Remediation Progress as on 30th June, 2024				
S.No	District	ULB	Total Legacy Waste (in MT)	Total Remediated (in MT)
37	Bathinda	Kotha Guru	0.00	0.00
38	Bathinda	Nathana	0.00	0.00
39	Bathinda	Kotfatta	525.00	525.00
40	Bathinda	Maluka	0.00	0.00
41	Bathinda	Sangat mandi	0.00	0.00
42	Faridkot	Kotkapura	15000.00	15000.00
43	Faridkot	Faridkot	39900.00	4788.00
44	Faridkot	Jaitu	24212.69	0.00
45	Fatehgarh Sahib	Mandi Gobindgarh	84000.00	49000.00
46	Fatehgarh Sahib	Sirhind	2300.00	2300.00
47	Fatehgarh Sahib	BassiPathana	200.00	200.00
48	Fatehgarh Sahib	Amloh	4020.00	2530.00
49	Fatehgarh Sahib	Khamano	0.00	0.00
50	Fazilka	Fazilka	26000.00	12271.20
51	Fazilka	Jalalabad	11900.00	4760.00
52	Fazilka	Arniwala	3640.00	3620.05
53	Ferozepur	Ferozepur	6500.00	6500.00
54	Ferozepur	Zira	350.00	350.00
55	Ferozepur	TalwandiBhai	450.00	450.00
56	Ferozepur	Guru Harsahai	4000.00	4000.00
57	Ferozepur	Mallanwala	500.00	500.00
58	Ferozepur	Makhu	1850.00	1850.00
59	Ferozepur	Mudki	650.00	650.00
60	Ferozepur	Mamdot	936.00	936.00
61	Gurdaspur	Gurdaspur	50000.00	24000.00
62	Gurdaspur	Dina Nagar	22000.00	18100.00
63	Gurdaspur	Quadian	10800.00	10800.00
64	Gurdaspur	Dhariwal	12850.00	6200.00
65	Gurdaspur	Sri Hargobindpur	390.00	390.00
66	Gurdaspur	Dera Baba Nanak	800.00	1.00
67	Gurdaspur	FatehgarhChurian	13000.00	0.00
68	Hoshiarpur	Mukerian	750.00	750.00
69	Hoshiarpur	Dasuya	1000.00	1000.00
70	Hoshiarpur	UrmarTanda	15000.00	15000.00
71	Hoshiarpur	Talwara	25.00	25.00
72	Hoshiarpur	Garhshankar	16200.00	16200.00

Legacy Waste Remediation Progress as on 30th June, 2024				
S.No	District	ULB	Total Legacy Waste (in MT)	Total Remediated (in MT)
73	Hoshiarpur	Mahilpur	75.00	75.00
74	Hoshiarpur	Haryana	3600.00	3600.00
75	Hoshiarpur	Garhdiwala	2100.00	1950.00
76	Hoshiarpur	Shamchurasi	2500.00	2357.00
77	Jalandhar	Nakodar	1200.00	1200.00
78	Jalandhar	Kartarpur	0.00	0.00
79	Jalandhar	Phillaur	8190.00	8190.00
80	Jalandhar	Adampur	650.00	650.00
81	Jalandhar	Bhogpur	12000.00	12000.00
82	Jalandhar	Goraya	6000.00	6000.00
83	Jalandhar	Nurmahal	1800.00	1800.00
84	Jalandhar	Shahkot	1000.00	1000.00
85	Jalandhar	Lohian Khas	4500.00	4500.00
86	Jalandhar	Bilga	400.00	400.00
87	Jalandhar	Alawalpur	0.00	0.00
88	Jalandhar	Mehatpur	900.00	900.00
89	Kapurthala	Sultanpur Lodhi	12500.00	5548.00
90	Kapurthala	Bhulath	1500.00	1318.00
91	Kapurthala	Begowal	600.00	600.00
92	Kapurthala	Dhilwan	6000.00	4100.30
93	Kapurthala	Nadala	550.00	413.00
94	Ludhiana	Khanna	100000.00	10000.00
95	Ludhiana	Jagraon	20000.00	14300.00
96	Ludhiana	Raikot	16150.00	16150.00
97	Ludhiana	Doraha	27500.00	19500.00
98	Ludhiana	Machiwara	52500.00	12700.00
99	Ludhiana	Sahnewal	6250.00	6250.00
100	Ludhiana	Samrala	23000.00	20000.00
101	Ludhiana	MullanpurDakha	6257.00	6257.00
102	Ludhiana	Payal	13500.00	8000.00
103	Ludhiana	Maloud	1450.00	100.00
104	Malerkotla	Malerkotla	134000.00	22000.00
105	Malerkotla	Ahmedgarh	2230.00	2230.00
106	Malerkotla	Amargarh	3480.00	3480.00
107	Mansa	Mansa	78610.00	56378.00
108	Mansa	Budhlada	52000.00	50960.00

Legacy Waste Remediation Progress as on 30th June, 2024				
S.No	District	ULB	Total Legacy Waste (in MT)	Total Remediated (in MT)
109	Mansa	Sardulgarh	33000.00	47000.00
110	Mansa	Bhikhi	10800.00	7623.90
111	Mansa	Bareta	80.00	80.00
112	Mansa	Boha	0.00	0.00
113	Mansa	Joga	0.00	0.00
114	Moga	Baghapurana	300.00	300.00
115	Moga	Dharamkot	120.00	120.00
116	Moga	Fatehgarh Panjtoor	50.00	50.00
117	Moga	Kot isse Khan	50.00	50.00
118	Moga	Nihal Singh Wala	170.00	170.00
119	Moga	BadhniKalan	150.00	150.00
120	Mohali	Zirakpur	53000.00	38163.00
121	Mohali	Kharar	180000.00	72000.00
122	Mohali	NayaGaon	0.00	0.00
123	Mohali	Kurali	150.00	150.00
124	Mohali	DeraBassi	0.00	0.00
125	Mohali	Lalru	35000.00	7000.00
126	Mohali	Banur	8879.00	8879.00
127	Mohali	Gharuan	0.00	0.00
128	Muktsar Sahib	Muktsar Sahib	41000.00	22000.00
129	Muktsar Sahib	Malout	48886.00	3000.00
130	Muktsar Sahib	Gidderbaha	28000.00	28000.00
131	Muktsar Sahib	Bariwala	6366.00	50.00
132	Nawanshar	Nawanshahr	10680.00	5680.00
133	Nawanshar	Balachaur	8500.00	6340.00
134	Nawanshar	Banga	19526.00	3950.00
135	Nawanshar	Rahon	1200.00	1100.00
136	Pathankot	Sujanpur	0.00	0.00
137	Pathankot	Narot Jaimal	0.00	0.00
138	Patiala	Rajpura	73000.00	69002.00
139	Patiala	Nabha	40000.00	39004.50
140	Patiala	Samana	6000.00	5903.00
141	Patiala	Patran	6000.00	5850.00
142	Patiala	Sanaur	536.00	517.00
143	Patiala	Ghagga	35272.00	29169.00
144	Patiala	Bhadson	700.00	700.00

Legacy Waste Remediation Progress as on 30th June, 2024				
S.No	District	ULB	Total Legacy Waste (in MT)	Total Remediated (in MT)
145	Patiala	Ghanaur	300.00	300.00
146	Patiala	Adda Devigarh	100.00	0.00
147	Roopnagar	Ropar	750.00	170.00
148	Roopnagar	Nangal	35810.00	16810.00
149	Roopnagar	Morinda	740.00	740.00
150	Roopnagar	Anandpur Sahib	10.00	10.00
151	Roopnagar	Chamkaur Sahib	300.00	300.00
152	Roopnagar	Kiratpur	45.00	45.00
153	Sangrur	Sangrur	8174.00	6950.00
154	Sangrur	Sunam	38500.00	36800.00
155	Sangrur	Dhuri	18896.00	5000.00
156	Sangrur	Longowal	2306.00	1001.00
157	Sangrur	Lehragaga	4500.00	1000.00
158	Sangrur	Bhawanigarh	12878.38	10302.00
159	Sangrur	Moonak	350.00	350.00
160	Sangrur	Dirba	380.00	380.00
161	Sangrur	Khanauri	350.00	350.00
162	Sangrur	Cheema	0.00	0.00
163	Tarn Taran	Tarn Taran	22450.00	4650.00
164	Tarn Taran	Patti	2000.00	2000.00
165	Tarn Taran	Bhikhi Wind	5200.00	4000.00
166	Tarn Taran	Khemkaran	3200.00	2880.00
Total			8409037	3022000

Sl. No.	Name of Town	Sewage Generation (actual)	Sewage Generation quality		Treated Capacity (MLD)	By STP (MLD)	Type of STP	Description of method in STP	Discharge water quality from STP including fecal & Coli	Lap Name	Date of Sample	Total discharge of treated STP water (MLD)	Other mode of treatment (MLD)	Details of disposal of untreated sewage (in MLD)				Status of STP in town where STP is constructed	Action plan to treat untreated sewage (District level)	Action taken under the drinking authority	STPs established by other than PWD Water Supply & Sewerage Board (Personal Sewerage)			
			Urban	Rural										(A) Treated Discharge of untreated sewage	(B) Flood	(C) River	(D) Other water body							
1	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
2	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
3	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
4	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
5	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
6	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
7	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
8	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
9	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
10	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
11	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
12	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
13	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
14	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
15	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
16	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
17	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
18	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
19	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
20	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
21	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
22	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
23	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
24	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
25	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
26	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
27	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
28	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
29	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
30	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
31	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
32	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
33	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
34	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
35	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
36	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
37	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
38	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
39	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
40	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
41	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
42	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
43	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
44	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
45	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
46	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
47	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
48	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
49	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
50	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
51	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
52	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
53	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
54	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
55	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
56	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
57	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
58	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
59	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
60	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
61	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
62	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
63	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
64	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00										MC, Tarapur
65	Tarapur	13.88	Urban	0.89	13.00	12.88	BBM	Chemical				12.90		0.00			</							

Under Construction 47 STPs (in 40 Towns)

Sr. No.	Names of Districts	Name of Town	Sewage Generation (actual)	Sewage Generation capacity	Details of treatment of Sewage (District wise)	Details of disposal of untreated sewage (in MLD)						Status of STP in towns where STP is not existing In Under construction/Under Disr stage	Action plan to treat untreated sewage (District wise)	Action taken against the defaulting authority	STPs maintained by departments other than Punjab Water Supply & Sewerage Board (Present) Remarks
						(a) if (a) above is let out in its quality	Wet Land	Pond	River	Sea	Other water body				

B. Under construction STPs:- (47 STPs in 40 Towns of Capacity 210.50 MLD to treat Sewage generation of 146.74 MLD)

1	Amritsar	Ayaz	3.10	Urban	In situ remediation is being done till completion of STP							Under Construction	31.07.2024	6.25	60.00				Work started
2	Amritsar	Raja Sarai	2.00	Urban	In situ remediation is being done till completion of STP							Under Construction	30.09.2020	2.04	60.00				Work started
		Total	5.10	Urban										8.09	120.00				
3	Barnala	Tapa	3.00	Urban								Under Construction	31.07.2024	28.80	60.00				Work started
4	Barnala	Bhacaur	2.70	Urban								Under Construction	30.09.2024	8.31	60.00				Work started
5	Barnala	Hanjoya	1.80	Urban								Under Construction	30.09.2025	10.81	60.00				Work started
		Total	7.50	Urban										48.92	180.00				
6	Bathinda	Raman	3.00	Urban								Under Construction	31.07.2024	22.00	60.00				Work started
		Total	3.00	Urban										22.00	60.00				
7	Ferozpur	Guru Haridra	2.60	Urban	In situ remediation is being done till completion of STP							Under Construction	31.12.2024	33.12	60.00				Work started
8	Ferozpur	Mandi	1.50	Urban	In situ remediation is being done till completion of STP							Under Construction	31.12.2024	17.66	60.00				Work started
9	Ferozpur	Mandir	1.37	Urban	In situ remediation is being done till completion of STP							Under Construction	31.12.2024	19.57	60.00				Work started
		Total	5.37	Urban										79.36	180.00				
10	Fatehgarh	Amb	2.28	Urban								Under Construction	Under Testing 3 MLD 30.06.2024	16.72	60.00				Work started
11	Fatehgarh	Bassi Pathana	2.53	Urban								Under Construction	30.06.2024 0.231.12.2025	23.50	60.00				Work started
12	Fatehgarh	Sirind	8.54	Urban								Under Construction	30.06.2024 4MLD new STP-31.12.2025	74.50					Work started
		Total	14.35	Urban										115.56	60.00				
13	Gurdaspur	Dera Nagar	3.00	Urban								Under Construction	30.09.2024	35.53	60.00				Work started
14	Gurdaspur	Fatehgarh/Chaman	1.90	Urban								Under Construction	31.12.2025	13.94	60.00				Work started
		Total	4.90	Urban										49.47	120.00				
15	Hoshiarpur	Tikham	2.80	Urban	In situ remediation is being done till completion of STP							Under Construction	30.06.2025	20.31	60.00				Work started
16	Hoshiarpur	Gurtanagar	2.50	Urban								Under Construction	31.12.2024	32.80	60.00				Work started
17	Hoshiarpur	Mandir	1.70	Urban	In situ remediation is being done till completion of STP							Under Construction	30.06.2025	13.39	60.00				Work started
		Total	7.60	Urban										56.69	180.00				
18	Jalandhar	Prempur	2.50	Urban								Under Construction	31.12.2024	24.31	60.00				Work started
19	Jalandhar	Bhaja	1.31	Urban								Under Construction	31.12.2024	32.58	60.00				Work started

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Sr No.	Name of District	Name of Town	Sewage Generation (actual)	Sewage Generation quality	Details of treatment of Sewage (District wise)	Details of disposal of untreated sewage (in MLD)					Status of STP in towns where STP is not existing i.e. under construction/Tender/DPR stage	Action plan to treat untreated sewage (District wise)			Action taken against the defaulting authority			STP's maintained by departments other than Pujals Water Supply & Sewerage Board (Remarks)
						Wet Land	Pond	River	Sea	Other water Body		Time limit	Budget outlay (Rs. in Cr)	EC imposed (Rs. in Lakhs)	Show Cause Notice Issued	Closure notice issued	Other Action	
		Total	21.75															
38	Rajmuga	Rajmuga	1.00	Urban	In situ remediation is being done till completion of STP					Under Construction	31-12-2024	6.52	60.00					Work started
		Total	1.00															
39	Tamiraparani	Tamiraparani	5.90	Urban						Under Construction	31-12-2024	9.47	60.00					Work started
		Total	5.90															
40	Tamil Nadu	Kumbakonam	2.00	Urban						Under Construction	31-12-2025	9.52	60.00					Work started
		Total	2.00															
		Grand Total	18.75															

[Handwritten signature]

Under Construction 4 STPs in Peri Urban Areas

Sr. No.	Name of Districts	Name of Town	Sewage Generation (actual)	Sewage Generation quantity	Details of treatment of Sewage (District wise)	Details of disposal of untreated sewage (in B.L.D) (District wise)						Status of STP in towns where STP is not existing i.e under construction/Tender/PPR stage	Action plan to treat untreated sewage (District wise)					STPs maintained by departments other than Punjab Water Supply & Sewerage Board (PWSB) Remarks		
						Urban	Other mode of treatment (MLD)	Well Land	Pond	River	Sea		Other water Body	Time lines	Budget outlay (Rs. in Cr)	EC imposed/Rs. in Lakh)	Show Cause Notice issued		Closure notice issued	Other Action
1	Peri Urban Areas																			
1	Tam Tam	Gabrowni Sarb	2.00	Peri Urban							Under Construction	31.12.2004								
2	Tam Tam	FP, Gokhewi Sarb	1.00	Peri Urban							Under Construction	31.12.2004								
3	Amarur	Budha Town	3.00	Peri Urban							Under Construction	31.12.2004								
4	Gandour	Ghunan	1.00	Peri Urban							Under Construction	31.12.2004								
	Total		8.10																	

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Sr No.	Names of Districts	Name of Town	Sewage Generation (actual)	Sewage Generation on quality	Details of treatment (wast)	Other mode of treatment (MLD)	Details of disposal of untreated sewage (in MLD)						Status of STP in towns where STP is not existing in a under construction/Ten der/DPR stage	Action plan to treat untreated sewage (District wise)	Budget outlay (Rs. in Cr)	EC Impose/Rs. in Lakhs)	Action taken against the defaulting authority				STPs maintained by departments other than Punjab Water Supply & Sewerage Board (Remarks)
							What Land	Pond	River	Sea	Other water Body	Time from					Show Cause Notice Issued	Closure notice Issued	Other Action		
3	Gurdaspur	Dhurnal	3.5	Urban						Chan Drain	Planned DPR Approved	31.12.2006	40.46	60					DPR Approved		
9	Jalandhar	Chhambh	18.1	Urban							Planned DPR Approved	20.04.2006	145.13	100					DPR Approved		
3	Jalandhar	Alwaspur	1	Urban							Planned DPR Approved	31.12.2005	10.61	60					Tender called and to be opened on 26.07.24		
1	Kapurthala	Cheswan	2.5	Urban							Planned DPR Approved	31.12.2006	58.18	120					Tender Under Process		
2	Kapurthala	Nasraro	0.92	Urban							Planned DPR Approved	31.12.2006	8.11	60					Tender Under Process		
3	Kapurthala	Total	2.42	Urban							Planned DPR Approved	31.12.2006	10.5	60					Tender Under Process		
3	Maharaja	Aravalli	1	Urban						Shogwanya Drain	Planned DPR Approved	31.12.2005	10.61	130					Tender cancelled and to be Re-called		
4	Maharaja	Total	1	Urban							Planned DPR Approved	31.12.2006	5.89	60					Tender cancelled and to be Re-called		
4	Mansa	Joga	0.5	Urban							Planned DPR Approved	31.12.2006	5.89	60					DPR Approved		
5	Mansa	Total	0.5	Urban							Planned DPR Approved	31.12.2006	26.2	60					DPR Approved		
5	Moga	Fatehganj Purtoor	0.57	Urban							Planned DPR Approved	31.12.2006	26.2	60					Tender Under Process		
6	Moga	Nawal Singh Wala	1.52	Urban						Chandrian Drain	Planned DPR Approved	31.12.2006	26.2	60					DPR Approved		
7	Mohali (SAS Nagar)	Koyadara	2.19	Urban							Planned DPR Approved	31.12.2006	21.42	60					DPR Approved		
8	Mohali (SAS Nagar)	Chhambh	3	Urban						Jani Ke Rua	Planned DPR Approved	31.12.2006	38.07	130					Tender called and to be opened on 23.07.24		
9	Mohali (SAS Nagar)	Total	16.3	Urban						Mansour pond	Planned DPR Approved	31.12.2006	58.14	60					DPR Approved		
9	Muzbar	Bairwara	1.3	Urban						Sami Naya Drain	Planned DPR Approved	31.12.2006	38.07	60					DPR Approved		
0	Muzbar	Total	1.3	Urban							Planned DPR Approved	31.12.2006	19.38	60					DPR Approved		
0	Patiala	Chesgan	1.5	Urban						pond	Planned DPR Approved	31.12.2006	19.38	60					DPR Approved		
1	Sangur	Chesgan	1.5	Urban							Planned DPR Approved	31.12.2005	16.8	60					DPR Approved		
2	Tarn Taran	Bheshi Walyd	2	Urban						Gandward Drain	Planned DPR Approved	31.12.2006	16.22	60					Tender under process		
2	Tarn Taran	Total	1.5	Urban							Planned DPR Approved	31.12.2006	13.92	60					DPR Approved		
2	Tarn Taran	Total	2	Urban							Planned DPR Approved	31.12.2006	13.92	60					DPR Approved		
2	Tarn Taran	Total	69.44	Urban							Planned DPR Approved	31.12.2006	713.24	2000					DPR Approved		

Test Reports of STPs			
S No.	District	Name of ULB/STP	STPs Capacity (MLD)
1	Amritsar	Amritsar MC (North STP)	95
		Amritsar MC (South STP)	95
		Amritsar MC (South East STP)	60
		Baba Bakala	0.85
2	Malerkotla	Barnala	19
3	Bathinda	Bathinda MC	52
		Bathinda MC	4
		Rampura Phul	7
		Maur	5
		Talwandisabo	3
		Mehraj	2.5
		Goniana	3
		Bhucho Mandi	3
		Kotfatta	1
		Sangat mandi	0.75
4	Faridkot	Kotkapura	8
		Kotkapura	6
		Faridkot	12.6
		Jaitu	2
5	Ferozepur	Ferozepur	18
		Zira	7
		TalwandiBhai	3.2
		Makhu	3
6	Fatehgarh	Mandi Gobindgarh	25
7	Fazilka	Abohar MC	25
		Fazilka	13
		Jalalabad	8
8	Gurdaspur	Batala MC	22.8
		Hargobindpur	1
		Dera Baba Nanak	1.2
9	Hoshiarpur	Hoshiarpur MC	24
		Mukerian	4.5
		Dasuya	4
		UrmarTanda	4
		Hariana	1.3
		Garhdiwala	1
		Shamchurasi	1
10	Jalandhar	Jalandhar MC	15
		Basti Peer	50
		Basti Peer	50
		Phloriwal-1	100

S No.	District	Name of ULB/STP	STPs Capacity (MLD)
		Phloriwal-III	25
		Phloriwal-III	25
		Bambian Wali Cant	10
		Jaitawali	25
		Nakodar	4
		Kartarpur	3.7
		Phillaur-i	3
		Phillaur-ii	2.6
		Adampur	3
		Goraya	2.4
		Nurmahal	1.5
		Shahkot	1.5
11	Kapurthala	Kapurthala MC	25.4
		Kapurthala MC	2
		Phagwara MC	20
		Phagwara MC	8
		Phagwara MC	8
		Sultanpur Lodhi	2.6
		Bhulath	3
		Begowal	1.8
12	Ludhiana	Ludhiana MC (Bhattian -1)	111
		Bhattian -2	50
		Baloke-1	152
		Baloke-2	105
		Baloke-3	60
		Jamalpura	225
		Khanna	21
		Jagraon	16
		Jagraon-2	12
		Doraha (MC)	1
		Doraha (MC)	2.8
		Doraha (MC)	1
		Machiwara (MC)	2
		Sahnewal	5
		Samrala	2.9
		Mullanpura Dakha	3
		Payal	0.75
		Maloud	1.2
13	Mansa	Mansa	12.5
		Budhlada	5.5
		Sardulgarh	3.5
		Bhikhi	2.5
		Bareta	2.5
14	Moga	Moga MC	27

S No.	District	Name of ULB/STP	STPs Capacity (MLD)
		Baghapurana	2.12
		Dharamkot	3.2
15	Mohali(SAS Nagar)	Mohali MC	38
		Zirakpur	17.3
		Kharar	11
		Kurali	4
		DeraBassi	4
		Lalru	1.5
		Banur	4
		Banur	0.5
16	Muktsar	Muktsar	5.7
		Muktsar	3.5
		Muktsar	8.7
		Malout	10
		Malout	3
		Gidderbaha	5
17	Nawanshar (SBS Nagar)	Nawanshahr	5.5
		Balachaur	3.1
		Banga	3
18	Pathankot	Pathankot MC	19.5
19	Patiala	Patiala MC (Shermajra)	15
		Patiala-2	10
		Patiala-1	46
		Rajpura	7
		Rajpura-2	10
		Samana	10
		Patran	4
20	Sangrur	Sunam	7.5
		Lehragaga	1.8
		Bhawanigarh	3.25
		Moonak	2.04
		Dirba	2.5
		Khanauri	2.19
21	Roopnagar	Anandpur Sahib	8
		Chamkaur Sahib	0.5
		Ropar (Bari Haveli)	10
		Rasolpur	2.5
		Sadabarat	2
		Nangal	8
		Nangal	5
		Morinda	3
22	TarnTaran	TarnTaran	9
		TarnTaran	4



Eco Paryavaran Laboratories & Consultants Pvt. Ltd

TEST REPORT



ULR No. :	TC1121F24000005841F	Test Report No. :	NEPL340624NA023
Type of Sample : Sewage			
Customer Name	Sub-Divisional Engineer	Work Order No. & Date	287 DL- 14/06/2024
Address	PB. W/s & Sewerage Sub Division No.2, Amritsar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	14/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	14/06/2024 To 19/06/2024
Testing Location	Permanent Facility	Date of Reporting	15/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked Sample No.2, SSMLD STP Ram Trath Road, Gausabad, North Zone, Amritsar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.68	6.5-9.0	0.5	IS 3025 (Part 13)
2	Biochemical Oxygen Demand (BOD)	mg/l	28	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	58	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	80	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	020	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Anuj Choudhary
Authorized Signatory-Chemical & Biological

Web: www.ecoparyavaran.com

ECO BHAWAN: E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303100 ✉ contact@ecoparyavaran.org | md@ecoparyavaran.org 🌐 www.ecoparyavaran.org

Page No. 1/1



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No. : TC11R1R240000058426		Test Report No. : NEFL140624N4024	
Type of Sample: Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	287 Dt.: 14/05/2024
Address	P.B. W/s & Sewerage Sub Division No.2, Amritsar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	14/05/2024
Sample Collection Mode	Sample provided by Customer	Period of Analysis	14/05/2024 To 19/06/2024
Testing Location	Permanent Facility	Date of Reporting	19/05/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Bottle Marked Sample No.3, 95MLD STP Khepperkhari, South Zone, Amritsar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.28	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	27	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	63	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	76	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	970	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Water Wast- P1, PMT-1 & 2/WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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Punjab Biotechnology Incubator

Department of Science, Technology & Environment,
Govt. of Punjab

An NABL Accredited State Analytical Agency



FSSAI Empanelled | EIC Approved | APEDA Approved | Notified State Water Lab - Govt. | Notified Under EPA - Govt.

No.PBT/ENV/040624/000168 / 233

Dated : 12/31/24

TEST REPORT

ULR : TC127622400000603F

Sample Registration No.

Sample code given by customer

: PBT/ENV/040624/000168

: Code- Treated Sewage of 95 MLD STP, Ramtirath Road Gaushabad, North Zone, Amritsar.

Issued to:

Executive Engineer,
Punjab Water Supply & Sewerage, Division No-1,
C-Block, Ranjit Avenue, Adj. Office of Municipal Corp, Opp. Old Passport Office
Amritsar-143001
Punjab

SAMPLE PARTICULARS

Your Ref. No. : Letter No. 731, dt. 03/06/2024

Date of Receipt : 04/06/2024

Name/Nature of sample : Treated Effluent

Sample code given by customer : Code- Treated Sewage of 95 MLD STP, Ramtirath Road Gaushabad, North Zone, Amritsar.

Condition of the sample : Intact coded sample under refrigerated condition

Brand name : NA

Qty/Pkg. : 5L approx in plastic can

Batch No.: : NA

Date of Manufacture : NA/NM

Sampling Method : Sample not drawn by PBTi

Test Start Date : 04/06/2024

Test Completion Date : 12/06/2024

Report Not Valid for
Consent Purpose of PPCB
PBTi, Amritsar

[Signature]
12/31/24

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 16

- Note:
- The above results pertain only to the sample tested.
 - There is no addition, deduction or exclusion from the method mentioned.
 - The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No : PBTi/F/7 8/02
Issue No & Date : 02 & 03.10.23

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act | Approved NRL by FSSAI | Referral Lab under FSSA 2006

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab - 140 306, India
Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com

Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No. : TC118182400005643F		Test Report No. NEEL140624NAG05	
Type of Sample : Sewage			
Customer Name	Executive Engineer	Work Order No. & Date	1192 Dt: 13/06/2024
Address	Pb. W/S & Sew. Divn, No.2, Amritsar (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	14/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	14/06/2024 To 19/06/2024
Testing Location	Permanent Facility	Date of Reporting	19/06/2024
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Bottle Marked Sample No.1, 27.5MLD STP Chattwind, South-East, New Amritsar (SBR Technology)		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.08	6.5-9.0	0.5	IS 3025 (Part 13)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.4	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	12	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Fecal Coliforms)	MPN/100ml	809	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page 1)

End of Report

(Signature)
Authorizing Laboratory-Chemical & Biological

Water-Water-EL-UM-783-WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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National Reference

Knowledge City, Sector-81, SAS Nagar

Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com

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Punjab Biotechnology Incubator

Department of Science, Technology & Environment,
Govt. of Punjab

An NABL Accredited State Analytical Agency



FSSAI Empanelled | EIC/Approved | APEDA Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI



No. PBT/ENV/120624/000200/259

Dated: 18/06/24

TEST REPORT

ULR : TC127622400000634F
 Sample Registration No. : PBT/ENV/120624/000200
 Sample code given by customer : Code- 0.05 MLD STP at Sri Baba Bakala Sahib Distt. Amritsar- Outlet

Issued to: Executive Engineer, Punjab Water Supply & Sewerage, Division No.2, Near Hide Market, Amritsar- 143001 Punjab	
SAMPLE PARTICULARS	
Your Ref. No.	: Letter No. 3091, dt. 11/06/2024
Date of Receipt	: 12/06/2024
Name/Nature of sample	: Treated Effluent
Sample code given by customer	: Code- 0.05 MLD STP at Sri Baba Bakala Sahib Distt. Amritsar- Outlet
Condition of the sample	: Intact coded sample under unrefrigerated condition
Brand name	: NA
Qty/Pkg.	: 2L approx in plastic con
Batch No.:	: NA
Date of Manufacture :	: NA/NA
Sampling Method	: Sample not drawn by PBTI
Test Start Date	: 12/06/2024
Test Completion Date	: 18/06/2024

Report Not Valid for
Consent Purpose of PPCB
PBTI, Mohali

18/06/2024
Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 16

Note:
 1. The above results pertain only to the sample tested.
 2. There is no addition, deviation or exclusion from the method mentioned.
 3. The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 4. This report cannot be re-produced, except when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 5. Perishable samples will be destroyed after testing, others after one month from the date of issue of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

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Issue No & Date : 02 & 03.10.23

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act | Approved NRL by FSSAI | Referral Lab under FSSAI 200

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab - 140 306, India
 Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbttilabs.com @/pbt_dst

1556

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(A)

(3)

Dated :

LR : TC127622400000634F

Sample Registration No. : PBTI/ENVI/120624/000200

Sample code given by customer : Code- 0.85 MLD STP at Sri Baba Bakala Sahib Dist. Amritsar- Outlet

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	pH	8.66		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	4.3	mg/l	IS 3025 (Part 17) 2022
3	Biochemical Oxygen Demand (BOD5 at 20oC)	7	mg/l	IS 3025 (Part 44) : 2023
4	Chemical Oxygen Demand (COD) Total	45	mg/l	IS 3025 (Part 58) 2023

18/6/2024

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 16

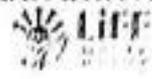
Report Not Valid for
Consult Purpose of PPCB
PBTI Mohali

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10/2024/29

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



- 1. Laboratory Sample No. E-302-303/11.O.Lab. Monitoring/2024-25
- 2. Name of Industry STP Barnala 20 MLD, Bazakhana Road, Barnala
- 3. Name of Sample collecting Officer Er. Jaspal Singh, AEE
- 4. Designation of authorizing Test Environmental Engineer, Regional Office, Sangrur
- 5. Type of Sample Grab
- 6. Date & Time of Sample collection 15.05.2024
- 7. Date & Time of Sample receipt in Lab. 16.05.2024
- 8. Period of Analysis 16.05.2024 to 23.05.2024
- 9. Test Methods As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results-

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.3	8.0	6.5-9.0.
2	Total Suspended Solids mg/l	87	8	< 100
3	Total Dissolved Solids mg/l	1376	764	-
4	Bio-chemical Oxygen Demand mg/l	70	8	30
5	Total Coliform MPN/100ml	2,80,000	1700	-
6	Faecal Coliform MPN/100ml	94,000	180	< 1000

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

Scientific Officer
[Signature]

Enclst. No:

Dr.

A copy of the above is forwarded to the:-

- 1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
- 2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-II, Patiala
- 3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Sangrur.

Asst. Scientific Officer

1-40

17
Eff (2024-25)

**PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATHALA
WATER ANALYSIS REPORT**



1. Laboratory Sample No. **E-251-252/H.O.Lab. Monitoring/2024-25**
2. Name of Industry **STP Bathinda, SBR 52 MLD**
3. Name of Sample collecting Officer **Er. Jashandeep Singh, JEE**
4. Designation of the officer authorizing Test **Environmental Engineer, Regional Office, Bathinda**
5. Type of Sample **Grab**
6. Date & Time of Sample collection **08.05.2024**
7. Date & Time of Sample receipt in Lab. **09.05.2024**
8. Period of Analysis **09.05.2024 to 16.05.2024**
9. Test Methods **As per relevant parts of IS:3025/IS:1622 & Methods of APHA**

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.0	7.5	6.5-9.0
2	Total Suspended Solids mg/l	152	10	<100
3	Chemical Oxygen Demand mg/l	325	42	-
4	Bio-chemical Oxygen Demand mg/l	108	9	30
5	Faecal Coli form MPN/100ml	-	610	< 1000

Remarks: The prescribed standards are as per notification no 190 dt 28.3.19. However if any stringent/other standards have been imposed in the Board, the same shall prevail.

✓---End of Report---

[Signature]
Scientific Officer
W/ R/W

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Name of STP/ Town	Concerned Regional Office	Concerned Depth.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024		Compliant/ Non-compliant w.r.t.		Fail/Pass
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards	
Rampura Phul	Bathinda	PWSSB	8	MBBR	-	-	30	1000	9	910	C	C	Pass

1560

6

16



Dated :

ULR : TC127622400000590F

Sample Registration No.

: PBT/ENV/040624/000155

Sample code given by customer

: Code- Treated Effluent of 5 MLD STP at Morh Mandi.

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	pH	8.88		
2	Total Suspended Solids (TSS)	157		IS 3025 (Part 11) 2022
3	Biochemical Oxygen Demand (BOD5 at 20°C)	20	mg/l	IS 3025 (Part 17) 2022
4	Chemical Oxygen Demand (COD) Total	213	mg/l	IS 3025 (Part 44) : 2023
5	Faecal coliform	0	MPN/100ml	IS 3025 (Part 56) 2023
				IS 1622: 1981

[Signature]
12/6/2024
Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 16

Report Not Valid for
Compliance Purpose of PPCB
PBTI, Mohali



PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



①

Laboratory Sample No. E-444-4445/1/O.L. Monitoring/2023
Name of Industry STP Talwandi Sabo SBR Tech. MFD
Name of Sample collecting Officer Er. Ravideep Singla, AEE
Designation of the officer authorizing Test Environmental Engineer, Regional Office, Bathinda
Type of Sample Grab
Date & Time of Sample collection 23.11.2023
Date & Time of Sample receipt in Lab. 24.11.2023
Period of Analysis 24.11.2023 to 29.11.2023
Test Methods As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
	pH	7.1	7.6	6.5-9.0
	Total Suspended Solids mg/l	98	27	100
	Bio-chemical Oxygen Demand mg/l	74	15	30
	Faecal Coli form MPN/100ml	1,10,000	910	< 1000

The prescribed standards are as per notification no 158 dt 28.3.19. However if any stringent other standards have been imposed by the Board, the same shall prevail.



TEST REPORT

EXECUTIVE ENGINEER
 N.D.E. BHATINDA

Report No.	CEFT/2024/1149	Report Date	31.05.2024
Requested by customer	Nil	Type of sample	Waste Water
Quantity	Nil	Quantity	2 LITER
Sample Name	CEFT STP (Mehra)	Date of sampling	27.05.2024
Requested By	Lab Person	Date of sample receipt	27.05.2024
Signature	As per SOP	Sample I.D.	CEFT/GEN/2024/1149
		Date of test	27.05.2024-31.05.2024

PARAMETERS	TEST RESULTS	Standards	TEST METHODS
Total Suspended Solids, mg/L	7.36	10-75	IS 3025 (Part-11)
Biochemical Oxygen Demand at 27°C, 3 days, mg/L	7.4	10	IS 3025 (Part-17)
Chemical Oxygen Demand, mg/L	8.4	10	IS 3025 (Part-44)
Fecal Coliform <100 MPN	32	100	IS 3025 (part-58)
	520	< 1000	MPN 100 Tube

Page No. 1/1

End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shirdi Homes, Opposite radha swami Satyug Bhawan, Kharar, Mohali, Punjab-140301



- The test results are related to the sample tested as identified.
- The sample will be discarded after retention time of 7 days unless otherwise specified.
- Any discrepancy found in the test report may be communicated.
- This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
- The Final Verdict will be Delhi.
- Customer complaint register is available at the laboratory.

TEST REPORT



ULR No. : TC1181824000005870F		Test Report No. : NEFL150624NA001	
Type of Sample : Waste Water			
Customer Name	EO Municipal Corporation	Work Order No. & Date	178 Dt.: 13/06/2024
Address	Goniana, Bathinda (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	13/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	13/06/2024 To 19/06/2024
Testing Location	Permanent Facility	Date of Reporting	19/06/2024
Sampling Location	NA		
Sample Description	Turbid liquid with odour.		
Standard/Specification	MoEF & CPCB Guidelines		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked Main Pumping Station		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Waste Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Total Suspended Solids	mg/l	43	5	IS 3025 (Part 17)
2	pH @ 25 °C	-	8.78	0.5	IS 3025 (Part 11)
3	Biochemical Oxygen Demand (BOD)	mg/l	54	2	IS 3025 (Part 44)
4	Chemical Oxygen Demand (COD)	mg/l	280	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Waste Water)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Thermotolerant Coliform (F. coliforms)	MPN/100ml	3.2×10^{-4}	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Waste Water- EI-FMF-2.B1-WW

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225

☎ 9781303109

✉ contact@ecoparyavaran.org

✉ info@ecoparyavaran.com

🌐 www.ecoparyavaran.org

Dr. Anand Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 1/1

(10)

Bhuelo Mandi

(21)

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.5	7.7	-
2	Total Suspended Solids mg/l	78	72	-
3	Chemical Oxygen Demand mg/l	325	242	30
4	Bio-chemical Oxygen Demand mg/l	108	77	< 1000
5	Faecal Coli form MPN/100ml	-	21,000	-

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19. However if any stringent/other standards have been imposed by the Board, the same shall prevail.



TEST REPORT



ULR No. : TC11B1824000005846F		Test Report No. : NEFL140624NA029	
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Telephonic Order DT:12.06.2024
Address	Punjab Water Supply & Sewerage Sub Division No.4, Bathinda (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	14/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	14/06/2024 To 18/06/2024
Testing Location	Permanent Facility	Date of Reporting	18/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Marking, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet Treated Sewage Sample of 1.50 MLD STP Korfatta, Mandi		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.49	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	20	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	39	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	52	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	920	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Mohesh Chand Agarwal
Authorized Signatory Chemical & Biological

Waste Water-EL-1MT-7.8.2.WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

D172-4616225 9781303109 contact@ecoparyavaran.org | info@ecoparyavaran.org | www.ecoparyavaran.org

Page No. 1/1

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CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Sl. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards			Current Discharge Standards			Results for the month of May, 2024			Compliant/ Non-compliant w.r.t.		Fail/Pass
								BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards		
1	Non-River	Bethinda	Sangat	Bethinda	PWSSB	2	WSP	-	-	30	1000	48	11000	NC	NC	NC	NC	Fail	

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CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards			Current Discharge Standards			Results for the month of May, 2024		Compliant/ Non-compliant w.r.t.		Fail/Pass	
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards				
Kotakapura	Faridkot	PWSSB	8	MBBR	-	-	-	-	11	610	C	C	Pass			
Kotakapura	Faridkot	PWSSB	6	-	-	-	-	-	11	400	C	C	Pass			

14

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BH.
NARHA ROAD, PATIALA
WATER ANALYSIS REPORT

- 1. Laboratory Sample No E-209-210/H.O Lab, Monitoring/7024-25
- 2. Name of Industry **STP Fardkot, 14 MLD (FDK)**
- 3. Name of Sample collecting Officer Er. Jaswinder Singh, AEE
- 4. Designation of the officer authorizing Test Environmental Engineer, Regional Office, Patiala
- 5. Type of Sample Grab
- 6. Date & Time of Sample collection 02.05.2024
- 7. Date & Time of Sample receipt in Lab 03.05.2024
- 8. Period of Analysis 03.05.2024 to 08.05.2024
- 9. Test Methods As per relevant parts of IS: 3025 (S-1 to 22) or Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.7	7.9	6.5-9.0
2	Total Suspended Solids mg/l	141	9	<100
3	Chemical Oxygen Demand mg/l	290	26	-
4	Bio-chemical Oxygen Demand mg/l	122	7	30
5	Fecal Coliform MPN/100ml	-	BOD	< 1000

Remarks: The prescribed standards are as per notification no 185 of 28.3.19, however, if any stringent other standard is prescribed, the same shall prevail.
Note: BPL means Below Method Detection Limit.

---End of Report---

Encl. No: 11821-23

[Signature]
Senior Officer
12/5/24
Dt 13/5/24

A copy of the above is forwarded to the:-

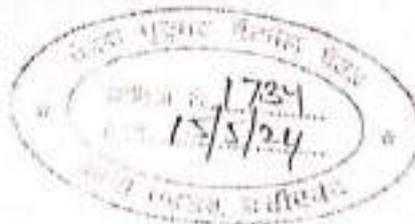
- 1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
- 2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Patiala
- 3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Patiala

Pls issue letter for sampling fees
[Signature]

[Signature]
Asst. Scientific Officer
13/5/24

SA/EE-3/JEE...

[Signature]
13/5/24



[Signature]

15

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT

- 1. Laboratory Sample No E-215-216/H.O.Lab. Monitoring/2024-25
- 2. Name of Industry **STP 6MHD, Jaitu**
- 3. Name of Sample collecting Officer Er. Jaswinder Singh, AEE
- 4. Designation of the officer authorizing Test Environmental Engineer, Regional Office, Faridkot
- 5. Type of Sample Grab
- 6. Date & Time of Sample collection 02.05.2024
- 7. Date & Time of Sample receipt in Lab. 03.05.2024
- 8. Period of Analysis 03.05.2024 to 08.05.2024
- 9. Test Methods As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.5	7.7	6.5-9.0
2	Total Suspended Solids mg/l	139	14	<100
3	Chemical Oxygen Demand mg/l	310	36	-
4	Bio-chemical Oxygen Demand mg/l	130	10	30
5	Faecal Coliform MPN/100ml	-	1400	< 1000

Remarks: The prescribed standards are as per notification no 185 dt 28.3.19. However, if any stringent other standards have been imposed by Board, the same shall prevail.

---End of Report---

Endst. No: 11824-26

Scientific Officer

Dr. 13/5/24

A copy of the above is forwarded to the:-

- 1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
- 2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Bahadurpur.
- 3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot.

Please issue letter for sample fee

SA

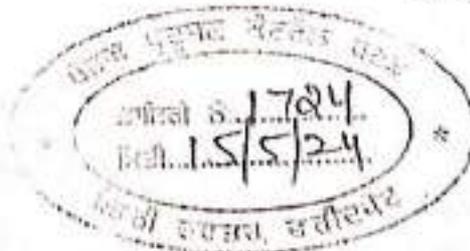
Asst. Scientific Officer

13/5/24

SA/AEE-3/JEE...

ਨਹੀਂ ਤਾਕ

ਦਿਲ ਦਿੱਤੀ



Noted



All disputes are subject to Panchkula jurisdiction only

1570

Regd. 2014

34

National Soil Testing & Research Lab. Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)

Building Material/Soil/NDT Testing Laboratories

Approved By: CPWD, BSNL, Air Force, CCU New Delhi.

E-in-C MES New Delhi, E-in-C HPPWD, Shimla.

16

Mobile : 09915099199

Mobile: 098780-10622

09872010622

E-mail : nationallab2014@gmail.com

Ref: PAN/Water-O/SSD-FZL/2024/JUN-71

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division-2,
Ferozepur.

Ref No: - 288.

Dated- 05.06.2024.

Name of work: 18 MLD, STP Ferozepur Influent and Effluent Samples. *

Sample: Testing of Water Sample. (Outlet of STP).

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Requirements of Department	Test Method
1.	pH Value	---	7.30	6.5 - 8.50	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	7.5	≤ 20.0 mg/l	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	9.8	≤ 10.0 mg/l	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	396.0	Max. 1000 MPN/100 ml	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report

Chief Manager

- 1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
- 2. The results reported above pertain to particular sample supplied to our laboratory.
- 3. Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



17

1. Laboratory Sample No	E-71-72/H.O.Lab. Monitoring/2024-25
2. Name of Industry	STP Zira 8 MLD
3. Name of Sample collecting Officer	Er. Hardas Singh Sran, AEE
4. Designation of the officer authorizing Test	Environmental Engineer, Regional Office, Faridkot
5. Type of Sample	Grab
6. Date & Time of Sample collection	08.04.2024
7. Date & Time of Sample receipt in Lab.	09.04.2024
8. Period of Analysis	09.04.2024 to 19.04.2024
9. Test Methods	As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	6.4	7.5	6.5-9.0
2	Total Suspended Solids mg/l	170	15	<100
3	Total Dissolved Solids mg/l	1164	606	-
4	Bio-chemical Oxygen Demand mg/l	129	10	30
5	Total Coliform MPN/100ml	-	7000	-
6	Feacal Coliform MPN/100ml	-	960	< 1000

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19. However, if any stringent/other standards have been imposed by Board, the same shall prevail.

---End of Report---

Endst. No: 10609-11

Scientific Officer

Dt. 24/4/24 23/4/24

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office- Bathinda.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Faridkot.

Asst. Scientific Officer

23/4/24

21/4/24

National Soil Testing & Research Lab. Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)

Building Material/Soil/NDT Testing Laboratories

Approved By: CPWD, BSNL, Air Force, CCU New Delhi.

E-in-C MES New Delhi, E-in-C HPPWD, Shimla.

Mobile : 09915099199
09872010622

Mobile: 098780-10622

E-mail : nationallab2014@gmail.com

18

Ref: PAN/Water-O-TB/SSD-FZL/2024/JUN-72-A

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division-1,
Ferozepur.

Ref No: - 143.

Dated- 05.06.2024.

Name of work: 04 MLD, STP Talwandi Bhai Influent and Effluent Samples.

Sample: Testing of Water Sample. (Outlet of STP).

Location: Talwandi Bhai.

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Requirements of Department	Test Method
1.	pH Value	---	7.70	6.5 - 8.50	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	8.8	≤ 20.0 mg/l	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	5.6	≤ 10.0 mg/l	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	772.0	Max. 1000 MPN/100 ml	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report



Technical Manager

- Note:
1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
 2. The results reported above pertain to particular sample supplied to our laboratory.
 3. Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.

1573

All disputes are subject to Panchkula jurisdiction only

Regd. 2014

National Soil Testing & Research Lab, Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)
Building Material/Soil/NDT Testing LaboratoriesApproved By: CPWD, BSNL, Air Force, CCU New Delhi.
E-in-C MES New Delhi, E-in-C HPPWD, Shimla.Mobile : 09915099199
09872010622

Mobile: 098780-10622

E-mail : nationallab2014@gmail.com

Ref: PAN/Water-O-MKH/SSD-FZL/2024/JUN-74

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division-1,
Ferozepur.

Ref No: - 143.

Dated- 05.06.2024.

Name of work: 04 MLD, STP Makhu Influent and Effluent Samples.
Sample: Testing of Water Sample. (Outlet of STP).
Location: Makhu.

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Requirements of Department	Test Method
1.	pH Value	---	7.10	6.5 - 8.50	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	6.8	≤ 20.0 mg/l	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	10.0	≤ 10.0 mg/l	APHA-22 nd Edition (4500-H-6)
4.	Fecal Coliform	(MPN/100ml)	600.0	Max. 1000 MPN/100 ml	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report

Regional Water
Supply Manager

- Note:
1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
 2. The results reported above pertain to particular sample supplied to our laboratory.
 3. Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.

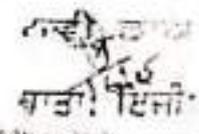
20

1574

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**POLLUTION CONTROL BOARD VATAVARAN BHAVAN
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT**

- 1. Laboratory Sample No. E-219-220 HCL Lab. Monitoring 2024-25
- 2. Name of Industry **STP-25 MLD, F&MC, MICO VILKROB**
- 3. Name of Sample collecting Officer Er. Manjit Singh, AEE
- 4. Designation of authorizing Test Environmental Engineer, Regional Office, Patiala
- 5. Type of Sample Solids
- 6. Date & Time of Sample collection 03.05.2024
- 7. Date & Time of Sample receipt in Lab 04.05.2024
- 8. Period of Analysis **01.05.2024 to 11.05.2024**
- 9. Test Methods As per relevant parts of IS 3025 IS 3022 & Methods of APHA


 Manjit Singh
 Environmental Engineer

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.5	7.7	6.5-9.0
2	Total Suspended Solids mg/l	134	13	100
3	Bio-chemical Oxygen Demand mg/l	115	9	10
4	Faecal Coliform MPN/100ml	1,20,000	200	< 100

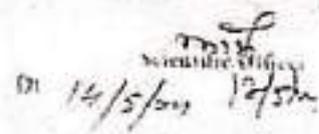
Remarks: The prescribed standards are as per notification on 18.01.2015. However, if any stringent standards are notified later, the same shall prevail.

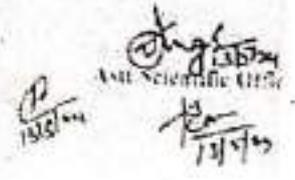
---End of Report---

Encl. No: 11992-94

A copy of the above is forwarded to the:-

- 1 The Chief Environment Engineer, Punjab Pollution Control Board, Ludhiana.
- 2 The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-II Patiala
- 3 The Environment Engineer, Punjab Pollution Control Board, Regional Office, Patiala


 Manjit Singh
 14/5/24


 Manjit Singh
 13/5/24

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All disputes are subject to Panchkula jurisdiction only

Regd. 2014

National Soil Testing & Research Lab. Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)

Building Material/Soil/NDT Testing Laboratories

Approved By: CPWD, BSNL, Air Force, CCU New Delhi.

E-in-C MES New Delhi, E-in-C HPPWD, Shimla.

Mobile : 09915099199
09872010622Mobile: 098780-10622
E-mail : nationallab2014@gmail.com

Ref: PAN/Water-O/SSD-ABH/2024/JUN-81

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division,
Abohar.

Ref No: - 134.

Dated:- 05.06.2024.

Name of work: 25 MLD, STP, SBR Technology Abohar Influent and Effluent Samples.

Sample: Testing of Water Sample. (Outlet of STP).

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Requirements of Department	Test Method
1.	pH Value	---	7.15	6.5 - 8.50	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	8.5	≤ 20.0 mg/l	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	9.2	≤ 10.0 mg/l	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	185.0	Max. 1000 MPN/100 ml	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report

Rishi Wajid
Principal Manager

Note: 1

2

3

- Note: 1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
2. The results reported above pertain to particular sample supplied to our laboratory.
3. Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.



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All disputes are subject to Panchkula jurisdiction only

Regd. 2014

National Soil Testing & Research Lab. Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)

Building Material/Soil/MDT Testing Laboratories

Approved By: CPWD, BSNL, Air Force, CCU New Delhi.

E-in-C MES New Delhi, E-in-C HPPWD, Shimla.

Mobile : 09915099199
09872010622

Mobile: 098780-10622
E-mail : nationallab2014@gmail.com

Ref: PAN/Water-I/SSD-FZL/2024/JUN-77

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division,
Fazilka.

Ref No: - 262.

Dated- 05.06.2024.

Name of work: 13 MLD, STP, SBR Technology Fazilka Influent and Effluent Samples.
Sample: Testing of Water Sample. (Inlet of STP).

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Inlet of STP	Test Method
1.	pH Value	---	7.10	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	154.0	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	125.0	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	---	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report

Regional Water
Technical Manager

- Note:
1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
 2. The results reported above pertain to particular sample supplied to our laboratory.
 3. Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.

National Soil Testing & Research Lab. Panchkula (Regd.)

(Govt. of India Approved)

H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)
Building Material/Soil/NDT Testing LaboratoriesApproved By: CPWD, BSNL, Air Force, CGU New Delhi.
E-in-C MES New Delhi, E-in-C HPPWD, Shimla.Mobile : 09915099199
09872010622Mobile: 098780-10622
E-mail : nationallab2014@gmail.com

Ref: PAN/Water-O/SSD-FZL/2024/JUN-78

Dated: - 11.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division,
Fazilka.

Ref No: - 262.

Dated- 05.06.2024.

Name of work: 13 MLD, STP, SBR Technology Fazilka Influent and Effluent Samples.

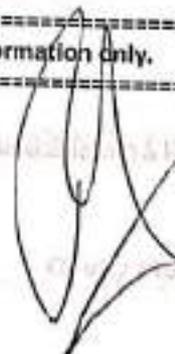
Sample: Testing of Water Sample. (Outlet of STP).

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Requirements of Department	Test Method
1.	pH Value	---	7.40	6.5 - 8.50	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	8.5	≤ 20.0 mg/l	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	5.7	≤ 10.0 mg/l	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	175.0	Max. 1000 MPN/100 ml	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report



National Soil Testing & Research Laboratories
Rajiv Vohra
Technical Manager

Note: 1. The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
2. The results reported above pertain to particular sample submitted to our laboratory.



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All disputes are subject to Panchkula Jurisdiction only

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Regd. 2014

National Soil Testing & Research Lab. Panchkula (Regd.)**(Govt. of India Approved)****H.O.: 384, Industrial Area, Phase-2, Panchkula-134113 (Hr.)
Building Material/Soil/NDT Testing Laboratories****Approved By: CPWD, BSNL, Air Force, CCU New Delhi.****E-in-C MES New Delhi, E-in-C HPPWD, Shimla.**

Mobile : 09915099199

09872010622

Mobile: 098780-10622

E-mail : nationallab2014@gmail.com

Ref: PAN/Water-O/SSD-FZL/2024/JUN-87

Dated: - 27.06.2024.

To

The Sub-Division Engineer,
Punjab W/S & Sewerage Sub-Division,
Fazilka.

Ref No: -

308.

Dated- 21.06.2024.

Name of Work:

08 MLD, STP, MBBR Technology Jalalabad Influent and Effluent Samples.

Sample:

Testing of Water Sample. (Outlet of STP).

TEST REPORT

Sr. No.	Description of Tests	Unit	Result Outlet of STP	Test Method
1.	pH Value	---	7.80	IS:3025 (P-11)
2.	Total Suspended Solid	mg/l	110.0	APHA-22 nd Edition (2540-D)
3.	Bio-Chemical Oxygen Demand	mg/l	42.0	APHA-22 nd Edition (4500-H-B)
4.	Fecal Coliform	(MPN/100ml)	2100.0	IS: 1622-1981

Remarks: The above-said results are for your information only.

End of Report


 Technical Manager

- Note:
- The results reported above are only for information of department and shall not be subject to any court of law for any purpose.
 - The results reported above pertain to particular sample supplied to our laboratory.
 - Sample will be destroyed after 30 days from the date of issue of test certificate unless otherwise specified.

30 MID STP DATA

(pH)

(PH)

30 MID STP DATA

(pH)

DATE	TEMP.	pH (60.85)	BOD (25mg/l)	COD (55mg/l)	TSS (50mg/l)	FECAL COLIFORM	THN (45mg/l)	NH ₄ -N (26mg/l)	T.P (9mg/l)	pH (6.5-9.0)	NOB (45mg/l)	CCD (45mg/l)	TSS (45mg/l)	FECAL COLIFORM	PO ₄ -P (52mg/l)	PH ₄ -P (55mg/l)	TOTAL (510mg/l)	PIC (52.5mg/l)	CLANST SINC	REMA
1.5.21	29°C	7.22	227	556	227					7.35	08	46	08							
2.5.21	28°C	7.16	216	469	217					7.27	07	54	07							
3.5.21	29°C	7.24	234	529	389	2.3x10 ⁴	42	24		7.31	07	47	08	96	1.28	45	08			
4.5.21	29°C	7.34	217	536	329					7.46	08	51	07							
5.5.21	29°C	7.21	239	519	346					7.27	07	54	13							
6.5.21	28°C	7.16	312	542	326					7.34	08	48	10							
7.5.21	29°C	7.07	326	566	429					7.20	09	47	08							
8.5.21	28°C	7.42	329	527	501					7.56	10	48	09							
9.5.21	29°C	7.34	342	536	526	2.1x10 ⁵	37	21		7.58	09	46	09	104	1.6	45	27	2		
10.5.21	29°C	7.34	342	536	526					7.41	08	39	10							
11.5.21	29°C	7.26	266	529	327					7.34	09	38	08							
12.5.21	28°C	7.29	256	517	369					7.24	08	38	09							
13.5.21	28°C	7.11	219	539	407					7.22	08	42	09							
14.5.21	28°C	7.22	312	526	456					7.34	09	46	07							
15.5.21	29°C	7.22	327	527	371					7.46	07	48	08	87	1.7	43	9.2	3		
16.5.21	29°C	7.46	369	539	322	2.7x10 ⁵	44	27		7.54	08	47	09							
17.5.21	29°C	7.37	359	527	402					7.51	09	46	07							
18.5.21	29°C	7.37	359	527	402					7.56	08	49	06							
19.5.21	28°C	7.46	368	521	412					7.21	07	39	07							
20.5.21	29°C	7.11	371	502	432					7.34	08	46	06							
21.5.21	29°C	7.29	396	449	326					7.12	09	46	06							
22.5.21	29°C	7.09	352	492	329					7.34	07	39	07							
23.5.21	28°C	7.29	366	527	421					7.17	08	46	06							
24.5.21	29°C	7.14	329	476	425					7.34	09	47	08	92	1.8	5.0	9.4	2		
25.5.21	30°C	7.21	315	534	429	2.4x10 ³	42	23		7.46	07	47	08							
26.5.21	29°C	7.34	355	526	527					7.27	08	48	09							
27.5.21	30°C	7.11	259	502	402					7.46	08	49	07							
28.5.21	29°C	7.25	296	524	407					7.46	09	49	08							
29.5.21	29°C	7.25	296	524	407					7.34	08	47	09							
30.5.21	29°C	7.16	276	521	429					7.46	07	47	07							
31.5.21	29°C	7.14	301	529	327					7.31	08	47	07							

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[Handwritten signatures and notes at the bottom of the page]

← 30 MID STP BATAVA (PB)											← 30 MID STP BATAVA											
DATE	TEMP. (6.0-8.5)	pH	BOD (225mg/l)	COD (550mg/l)	TSS (500mg/l)	FECAL COLIFORM	TRN (50mg/L)	NH ₄ -N (20mg/l)	T-P (5mg/l)		pH (6.5-9.0)	BOD (550mg/l)	COD (510mg/l)	TSS (510mg/l)	FECAL COLIFORM	PO ₄ -P (52mg/l)	NH ₄ -N (55mg/l)	N-TOTAL (525mg/l)	NAC (525mg/l)	CHEMIST SING	REM	
1.6.24	20.2	7.16	217	552	396							08	46	08								
2.6.24	20.8	7.29	314	522	414							09	42	07								
3.6.24	20.8	7.14	335	539	387							08	46	08								
4.6.24	20.1	7.35	298	526	376							09	47	09								
5.6.24	20.2	7.24	308	535	342							08	46	07								
6.6.24	20.6	7.16	316	526	427							01	39	08	76	17	45	7.6	3			
7.6.24	20.2	7.04	421	534	451	11167	39	22				08	37	09								
8.6.24	20.1	7.31	322	526	349							07	39	07								
10.6.24	20.6	7.34	329	516	429							08	39	08								
11.6.24	20.2	7.14	296	539	411							07	36	09								
12.6.24	20.2	7.37	319	531	396							08	39	07								
13.6.24	20.2	7.24	396	524	387							06	46	08								
14.6.24	20.2	7.06	327	502	402							07	39	09	84	18	4.6	7.2	3			
15.6.24	20.1	7.14	296	496	398	24105	44	23				06	37	08								
16.6.24	20.6	7.07	301	487	331							07	43	07								
17.6.24	20.2	7.11	246	521	309							06	54	08								
18.6.24	20.2	7.41	267	534	396							07	49	09								
19.6.24	20.2	7.51	296	569	371							08	41	07								
21.6.24	20.2	7.24	312	529	414							09	43	06								
22.6.24	20.2	7.57	319	536	501	24104	43	24				07	56	07	69	16	6.2	7.4	3			
23.6.24	20.2	7.16	297	546	396							06	46	06								
25.6.24	20.2	7.22	282	496	429							07	45	07								
26.6.24	20.2	7.16	246	504	403							06	39	09								
28.6.24	20.2	7.39	224	534	399							07	37	08								
29.6.24	20.2	7.16	256	519	415							06	68	10								
30.6.24	20.2	7.31	229	546	419	24104	41	23				07	67	09	72	1.8	4.5	7.9	3			

JUN 24
CHEMIST SING
REM

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Dated :

ULR : TC127622400000592F

Sample Registration No. : PBTI/ENV/040624/000160

Sample code given by customer : Code- Sewerage Treatment plant at Shri Hargobindpur Sahib town.

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	pH	8.37		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	27	mg/l	IS 3025 (Part 17) 2022
3	Biochemical Oxygen Demand (BOD3 at 27°C)	10	mg/l	IS 3025 (Part 44) : 2023
4	Chemical Oxygen Demand (COD) Total	123	mg/l	IS 3025 (Part 58) 2023
5	Faecal coliform	200	MPN/100ml	IS 1622: 1991

12/6/20

Authorized Signato

Punjab Biotechnology Incubator Lr

Employee Code : Employee Code:

Stamp: Punjab Biotechnology Incubator Ltd. 12/6/20



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Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001: 2015, ISO 45001: 2018 (OHSAS); ISO/IEC 17025: 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

Issued To: Executive officer
Municipal Council, Dera Baba Nanak, Punjab

Report No.	CEFT 2406 064	Report Date	10.06.2024
Your Ref. No.	Nil	Type of sample	STP (OUT-LET) Water
Sample Code given by customer	Nil	Quantity	2 Litre (1 Liter pet bottle + 1 Liter Glass Bottle)
		Date of sampling	05.06.2024
Sampling Location	1.5 MLD STP	Date of sample receipt	06.06.2024
		Sample Collected By	Lab Person
Sampling procedure	As per SOP	Sample I.D.	CEFT GEN 2406 064
		Date of test	06.06.2024 - 10.06.2024

S. NO.	PARAMETERS	TEST RESULTS	STANDARDS	TEST METHODS
1.	pH	7.21	5.5-9.0	IS 3025 (Part-11)
2.	Total Suspended Solids, mg/L	19	<100	IS 3025 (Part-17)
3.	Bio-chemical Oxygen Demand at 27°C 3 days, mg/L	14	<30	IS 3025 (Part-44)
4.	Chemical Oxygen Demand, mg/L	36	<250	IS 3025 (part-58)
5.	Coliform as MPN/100ml	542	<1000	IS 1622:1981

Page No.1/1

** End of Report **

Site Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsung Bhawan, Kharar, Mohali, Punjab-140301



- Note:-
1. The test results are related to the sample tested as identified.
 2. The sample will be discarded after retention time of 7 days unless otherwise specified.
 3. Any discrepancy found in the test report may be communicated within seven days.
 4. This report shall not be reproduced, copied or used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
 5. The Court Jurisdiction will be Delhi.
 6. Customer complaint register is available at the laboratory.



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC118182400005505F	Test Report No. : NEFEG0624NA05A		
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Telephonic Order DT:03.05.2024
Address	Pb Water Supply & Sewerage Sub Division No.01, Hosharpur (PB) 30 MLD STP Hosharpur Town	Customer reference No. (If any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	05/06/2024
Testing Location	Permanent Facility	Period of Analysis	05/06/2024 To 10/06/2024
Sampling Location	NA	Date of Reporting	10/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked STP Outlet		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	-	-	-	-
2	Biochemical Oxygen Demand (BOD)	mg/l	7.58	6.5-9.0	0.5	IS 3025 (Part 11)
3	Total Suspended Solids	mg/l	7.9	30	2	IS 3025 (Part 44)
4	Chemical Oxygen Demand (COD)	mg/l	8.4	<100	5	IS 3025 (Part 17)
			20	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	170	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh

Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological



Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001: 2015, ISO 45001: 2018 (OHSAS), ISO/IEC 17025: 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

Issued To: M/s Sub Divisional Engineer
PO W/S & Sewer Sub Div., Davuwa

Report No.	CEFT/2406/674	Report Date	26.06.2024
Year Ref. No.	Nil	Type of sample	STP (OUT-LET) Water
Sample Code given by customer	Nil	Quantity	2 LITER
Sampling Location	01 MLD STP BASED ON	Date of sampling	20.06.2024
	WSP TECHNOLOGY AT BASUVA TOWN	Date of sample receipt	21.06.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT/GEN/2406/674
Sampling procedure	As per SOP	Date of test	21.06.2024-26.06.2024

S. NO	PARAMETERS	TEST RESULT	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1.	pH	7.54	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS 3025 (Part-11)
2.	Total Suspended Solids, mg/l	10	50	600	200	IS 3025 (Part-17)
3.	Total Dissolved Solid, mg/l	1780	2100	2100	2100	IS 3025 (Part-16)
4.	Biochemical Oxygen Demand at 27°C, 5 days, mg/l	20	30	350	100	IS 3025 (Part-44)
5.	Chemical Oxygen Demand, mg/l	46	250	No guideline	No guideline	IS 3025 (part-55)
6.	Faecal Coliforms MPN/100ml	540	---	---	---	APHA 21 st Edition

Page No.1/1

End of Report

Branch Office- 111A, Sunder Enclave, First Floor, Near maa Shilpa Homes, Opposite radha swami Satsang Bhawan, Kharar, Mohali, Punjab-140301



- Note:
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 3. Any Discrepancy based on the test report may be communicated within seven days.
 4. This report shall not be reproduced, copied or used as evidence in the court of law and should not be used in any advertising media without written permission of CEFT, CEFT Pvt. Ltd.
 5. The Court Jurisdiction will be Delhi.
 6. Customer complaint register is available at the laboratory.

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DIF Industrial Area, Mohi Nagar, New Delhi - 110015 Ph.: - 011-45012722
Email: info@ceflab.com Website: www.ceflab.com

REGIONAL WATER TESTING LAB, AMRITSAR
 New Golden Avenue, Opposite Dhobi Ghat, Near Jaura Phatak, Amritsar
 rwtlsar1@gmail.com

69 37

ULR-
 Id No- RWTL/

Dated-2024-06-01

TEST REPORT

Sr No.	Group	Sample Tested in Group (02/08)
1	Residues in water	
2	Water	

Sample Registration No.- RWTL/ASH
 Sample Code Given by Customer-F000785

Issued to:-	Punjab Water Supply and Sewerage Board, Chandigarh
-------------	--

SAMPLE PARTICULARS

Ref. Letter No.	736
Date of Receipt	13/3/2024
Sample code given by customer	F000785 - - Urmar Janda
Name/Nature of Sample	UNSEALED
Condition of the Sample	
Qty/Pkg	1000 ML/HDPE Bottle
Sampling Method	Not in scope of RWTL
Test Start Date	13/3/2024
Test Completion Date	18/3/2024

Mr. Pardeep Kumar
 Quality Manager
 Authorized Signatory
 For Regional Water Testing Lab, Amritsar.

Note:

- The enclosed results pertain only to the sample tested.
- The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.
- This report cannot be re-produced, except when in full, without the written permission from the Head, DWSS.

ULR-
 Id No- RWTL/

Dated-2024-06-01

**Test Results
 Waste Water Testing**

Sr No.	Parameter	Result	Standard/Specification/Method Followed
1	*pH[6.5-8.5]	7.80	IS : 3025 (Part-11)
2	*TSS [100 mg/l]		
3	*BOD [30 mg/l]	26.8	APHA 5210
4	*Fecal Coliforms [1000 MPN]	15	APHA 5210
5	*COD	182	APHA 5210

Authorized Signatory



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000005504F		Test Report No. : NEFE060624NA045	
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Telephonic Order DT:03.06.2024
Address	Pb Water Supply & Sewerage Sub Division No.01, Hoshiarpur (PB) 02 MLD STP at Hariana Town	Customer reference No. (if any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	05/06/2024
Testing Location	Permanent Facility	Period of Analysis	05/06/2024 To 10/06/2024
Sampling Location	NA	Date of Reporting	10/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic Bottle Marked STP Outlet		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.48	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	9.3	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	210	<1000	-	APHA 23rd Ed 9221 E

Remarks :

NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh

Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water-EL/MT/7B.2/WW

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 1/1



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000004852F		Test Report No. : NEFL170524NA015	
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No.108 Dt.: 16/05/2024
Address	Punjab Water Supply & Sewerage, Sub Division, Dasuya Hoshiarpur-144205	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	17/05/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	17/05/2024 To 21/05/2024
Testing Location	Permanent Facility	Date of Reporting	21/05/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 2MLD STP at Garhdiwala Town Dist. Hoshiarpur		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.64	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	7.1	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	12	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	20	-	4	IS 3025 (Part 58)
5	Total Dissolved Solids	mg/l	487	-	5	IS 3025 (Part 16)
6	Ammonia as NH ₃ -N	mg/l	BDL	-	5	IS 3025 (Part 34) Cl 2. r
7	Sulphide as H ₂ S	mg/l	BDL	-	0.1	IS 3025 (Part-29)-Cl Method

3 / 4

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	809	<1000	-	APHA 231d Ed 9221E

Muloch
Mr. Muneet Chand Agarwal
Authorized Signatory-Chemical & Biological



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Centre for Environment and Food Technology Pvt. Ltd.

An ISO 9001: 2015, ISO 45001: 2018 (OHSAS): ISO/IEC 17025: 2017
NABL & IQAS Accredited, FSSAI and MoEF Recognised Testing Laboratory

TEST REPORT

Issued To: M/s Sub Divisional Engineer
Ph. W/S& New Sub Div, Sn.-01, Hoshiarpur

Report No	CEFT/2406/673	Report Date	26.06.2024
Your Ref. No	Nil	Type of sample	STP (OIT-IET) Water
Sample Code given by customer	Nil	Quantity	2 LITRE
Sampling Location	81 MID STP BASED ON WSP TECHNOLOGY AT SHAMCHERRASSI TOWN	Date of sampling	20.06.2024
		Date of sample receipt	21.06.2024
Sample Collected By	Lab Person	Sample ID	CEFT/GEN/2406/673
Sampling procedure	As per SOP	Date of test	21.06.2024-26.06.2024

S. NO	PARAMETERS	TEST RESULTS	STANDARDS			TEST METHODS
			Inland surface Water	Public Sewer	Land for Irrigation	
1	pH	7.14	5.5 - 9.0	5.5 - 9.0	5.5 - 9.0	IS 3025 (Part-11) IS 3025 (Part-12) IS 3025 (Part-16) IS 3025 (Part-44) IS 3025 (part-58) APHA 24 th Edition
2	Total Suspended Solids, mg/l	22	50	600	200	
3	Total Dissolved Solid, mg/l	1530	2100	2100	2100	
4	Biochemical Oxygen Demand at 27°C, 3 days, mg/l	16	30	350	100	
5	Chemical Oxygen Demand, mg/l	46	250	No guideline	No guideline	
6	Faecal Coliform MPN/100ml	920	---	---	---	

Page No.1/1

End of Report

Branch Office-111A, Sunder Enclave, First Floor, Near maa Shimla Homes, Opposite radha swami Satsang
Bhawan, Kharar, Mohali, Punjab-140301



- Note:
1. The test results are related to the sample tested as identified
 2. The sample will be discarded after retention time of 7 days unless otherwise specified
 3. Any discrepancy found in the test report may be communicated within seven days
 4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
 5. The Court Jurisdiction will be Delhi
 6. Customer complaint register is available at the laboratory

Regd. Address - Bldg. No. 17, 1st & 2nd Floor, DLF Industrial Area, Maiti Nagar, New Delhi - 110015 Ph : - 011-45012722
Email: info@ceftlab.co : 'sbsite : www.ceftlab.com



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC118182400005506F		Test Report No. : NEFL050524NA001	
Type of Sample : Sewage			
Customer Name	Anand Associates	Work Order No. & Date	Telephonic Order DT:05.06.2024
Address	SCO-108, Sector-47C, Chandigarh	Customer reference No. (if any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	06/06/2024
Testing Location	Permanent Facility	Period of Analysis	06/06/2024 To 10/06/2024
Sampling Location	NA	Date of Reporting	10/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked STP Outlet - 15 MLD STP at Jalandhar Ph		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.49	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.8	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)
5	Ammonia as NH ₃ -N	mg/l	BDL	-	5	IS 3025 (Part 34) Cl 2.5, Titrimetric Method
6	Total Phosphorous as P	mg/l	0.89	-	0.5	IS 3025 (Part 31)
7	Conductivity	µmho/cm	1509	-	1	IS 3025 (Part 14)
8	Sulphate as SO ₄	mg/l	64	-	5	IS 3025 (Part 24)
9	Total Nitrogen	mg/l	BDL	-	5	IS 3025 (Part 34)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Fecal Coliforms)	MPN/100ml	79	<1000	-	APHA 23rd Ed 9221 E

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water- ELTMT-7.8.2-WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2



TEST REPORT



ULR No. : TC118182400005515F		Test Report No. : NEFL060624NA057	
Type of Sample : Sewage			
Customer Name	Assistant Corporation Engineer	Work Order No. & Date	89/SPL/O&M/MCI/ACE Dt.: 06/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	06/06/2024 To 10/06/2024
Testing Location	Permanent Facility	Date of Reporting	10/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet 50 MLD Pholriwal, Jalandhar ✓		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.24	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	9.2	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.9	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	170	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

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OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Chemical

Waste Water: LL1M1-7B2-WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

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TEST REPORT



ULR No. : TC118182400005516F		Test Report No. : NEFL060624NA058	
Type of Sample : Sewage			
Customer Name	Assistant Corporation Engineer	Work Order No. & Date	89/SPL/O&M/MCJ/ACE Dt.: 06/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	06/06/2024 To 10/06/2024
Testing Location	Permanent Facility	Date of Reporting	10/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet 100 MLD Pholnwal, Jalandhar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.64	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	24	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	32	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	64	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	616	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh Chand Agarwal
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water: SL/FMT-7&2/WW

[ECO BHAWAN] E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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Page No. 02

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. :	TC1181824000005517F	Test Report No. :	NEF1060624NA059
Type of Sample :	Sewage		
Customer Name	Asstt. Corporation Engineer	Work Order No. & Date	B9/SPL/ORM/MCI/ACE DL: 06/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (if any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	06/06/2024
Testing Location	Permanent Facility	Period of Analysis	06/06/2024 To 10/06/2024
Sampling Location	NA	Date of Reporting	10/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1205(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet 50 MLD Basti Pour Daud, Jalandhar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.74	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.6	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.7	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	20	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	693	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water- II (M.T. 2.8.2 WW)

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1



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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000005518F		Test Report No. : NEFL060524NA060	
Type of Sample : Sewage			
Customer Name	Assistant Corporation Engineer	Work Order No. & Date	89/SPL/O&M/MCJ/ACE Dt.: 06/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	06/06/2024 To 10/06/2024
Testing Location	Permanent Facility	Date of Reporting	10/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet 25 MLD Jaitewali, Jalandhar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.64	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.2	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	8.6	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	350	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water: E-FMT-72.2 MW

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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J REPORTS
JWA Labs Pvt. Ltd



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1 of 1
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TEST REPORT



ULR No. :	TC118182400005520F		
Type of Sample :	Sewage	Test Report No. :	NEFL060624NA062
Customer Name	Assistant Corporation Engineer	Work Order No. & Date	89/SPL/O&M/MCI/ACE Dt.: 05/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	06/06/2024 To 10/06/2024
Testing Location	Permanent Facility	Date of Reporting	10/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP Outlet 10 MLD Bambianwali, Jalandhar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.82	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	7.7	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	8.6	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	20	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	430	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 2/2

Waste Water: E/FMT/74.2/WW
ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071
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Job Destroyed after 7 days

at 10:00 AM
ECON LAB PVT. LTD.



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TEST REPORT



ULR No. : TC1181824000005521F		Test Report No. : NEFL060624NA063	
Type of Sample : Sewage			
Customer Name	Assistant Corporation Engineer	Work Order No. & Date	89/SPL/O&M/MCI/ACE Dt.: 06/06/2024
Address	O & M Cell Municipal Corporation, Jalandhar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	06/06/2024 To 10/06/2024
Testing Location	Permanent Facility	Date of Reporting	10/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass Bottle Marked STP-1 Outlet: 25 MLD Pholriwal, Jalandhar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.57	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.5	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.9	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025(Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	280	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water- TUEMT-78-2-WW

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/2

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Report destroyed after 7 days

Report
www.ecoparyavaran.org



TEST REPORT



UR No. : TC1181824000055061		Test Report No. : NEP1060624NM01	
Type of Sample : Sewage			
Customer Name	Anand Associates	Work Order No. & Date	Telephank Order DT:05.06.2024
Address	SCO-108, Sector-47C, Chandigarh	Customer reference No. (if any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	06/06/2024
Testing Location	Permanent Facility	Period of Analysis	06/06/2024 To 10/06/2024
Sampling Location	NA	Date of Reporting	10/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 250ml Glass Bottle Marked STP Outlet - IS 11015 STP at Jalandhar Ph.		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.49	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.8	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)
5	Ammonia as NH3-N	mg/l	BDL	-	5	IS 3025 (Part 34) Cl 2.5, Titrimetric Method
6	Total Phosphorous as P	mg/l	0.89	-	0.5	IS 3025 (Part 31)
7	Conductivity	µmho/cm	1509	-	1	IS 3025 (Part 14)
8	Sulphate as SO4	mg/l	61	-	5	IS 3025 (Part 24)
9	Total Nitrogen	mg/l	BDL	-	5	IS 3025 (Part 34)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	79	<1000	-	APHA 23rd Ed 9221 E

Mande

Mr. Mande Chand Agarwal
Authorized Signatory-Chemical & Biological

Waste Water: LLTML7.EJ.WW

Page No. 1/2

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 📧 contact@ecoparyavaran.org | info@ecoparyavaran.org 🌐 www.ecoparyavaran.org

Printed on 10/06/2024 at 10:06 AM
Page No. 1/2



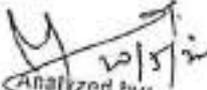
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WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Water / 88-89. /2024
2.	Name of industry	STP Nakodar, (6 MLD), Nakodar, Jalandhar.
3.	Name of Sample Collecting Officer	Er. Sandeep Kaur (AEE)
4.	Type of Sample	Grab Monitoring
5.	Date of Sample Collection	06/05/2024
6.	Date of Sample Receipt in Lab	07/05/2024
7.	Point of sample collection	As per data sheet

S. No	PARAMETERS	RESULTS	
		Inlet	Outlet
1.	pH		
2.	BOD (mg/l)	6.9	7.2
3.	TSS (mg/l)	71	9
4.	F.Coli (MPN/100 ml)	117	16
			840


 Analyzed by:

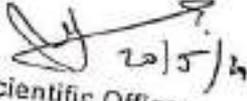

 Scientific Officer
 Zonal Lab, Jalandhar

Endst. No. 1624-06

Dated: 20/5/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Jalandhar.
3. The Environmental Engineer, Regional Office-2, Jalandhar along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.


 Asstt Scientific Officer
 Zonal Lab, Jalandhar

Chemical Environment

Page: 1 of 1

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1601



SIMA LABS 37
 Sophisticated Industrial Materials
 Analytic Labs Pvt. Ltd.
 (GOVT. APPROVED TESTING LABORATORIES)

Address : A-37, Mayapuri Industrial Area,
 Ph-II, New Delhi - 110064
 Phone : +(91)-(011)-43854300
 Email : reports@simalab.com
 CIN No : U74899DL1988PTC031785
 Website : www.simalab.net | www.simalab.com



TEST REPORT

Party Code : T/PB/036
 *Issued to : **28 MLD STP (Phillaur North)**
 Sub Divisional Engineer PB, W/S & Sew Sub
 Division, Phillaur, Punjab --

ULR : TC1122024200005171F

REPORT NO. : SE0807006924/N
 *Customer Ref No. : NS
 *Reference Date : NS
 Date of Sampling : 09/06/2024
 Date of Received : 07/06/2024
 Date of Issue : 11/06/2024
 Start Date of Analysis : 07/06/2024
 Date of Completion : **11/06/2024**
 Environmental Condition : 25±2°C, RH50±15%
 Sample Condition : OK
 *Sample Qty. : 1 Ltr.
 SOP/Sampling Plan : SIMA/ENV/SOP/024
 Test Method Deviation : NA
 Sample Collection : Sample Drawn By Us

*Sample Name : Effluent Water (STP-Outlet)

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 09/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Chemical Parameter					
1.	pH	NA	7.21	5.5 to 9.0	IS:3025 (F-11)
2.	Total Suspended Solids	mg/L	18	100	IS:3025 (F-17)
3.	Biochemical Oxygen Demand (3 days at 27°C)	mg/L	25	30	IS:3025 (F-44)

NA- Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---

Pratik Rai
 Pratik Rai
 Reviewed By

Pratibha Rawat
 Pratibha Rawat
 Manager Technical Micro

Authorized Signatory
Dwakar Jha
 Dwakar Jha
 D.G.M Technical Environment

- Remarks:
- This Test Report is not valid without photograph.
 - The Results stated refer only to the above tested sample & applicable parameters. Endorsement of products is neither intended nor implied.
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* Indicates details provided by the customer



TEST REPORT

Party Code : T/PEM036
Issued to : 2.6 MLD STP (Phillaur North)

Sub Divisional Engineer PB, WIS & Sew Sub
Division, Phillaur, Punjab . -

REPORT NO. : SE0607000024/0
*Customer Ref.No : NS

*Reference Date : NS
Date of Sampling : 06/06/2024
Date of Received : 07/06/2024
Date of Issue : 11/06/2024
Start Date of Analysis : 07/06/2024
Date of Completion : 11/06/2024
Environmental Condition : 25±2°C, RH50±15%
Sample Condition : OK
*Sample Qty. : 1 Ltr.
SOP/Sampling Plan : SIMA/ENV/SOP/024
Test Method Deviation : NA
Sample Collection : Sample Drawn By Us

*Sample Name : Effluent Water (STP-Outlet)

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 06/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Microbiological contaminants					
1.	Faecal Coliform	MPN/100 ml	43	NA	APHA, 23rd Edition, 9221B&E- 2017

NA- Not Applicable
The above mentioned parameters meets the specification of EP Act Standard
--- End of Test Report ---

[Signature]
Priyanka
Reviewed By

[Signature]
Pratibha Rawat
Manager Technical Micro

Authorized Signatory
[Signature]
Dwajakar Jha
D.G.M Technical Environment

Remarks: 1. This Test Report is not valid without a hologram.
2. The results listed refer only to the precise tested sample & applicable parameters. Environmental of products is neither stored nor tested.
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Page 1 of 1
VS

1603

SIMA LABS

Sophisticated Industrial Materials Analytic Labs Pvt. Ltd.

(GOVT. APPROVED TESTING LABORATORIES)

Address : 337, Mayapuri Industrial Area
Ph-4, New Delhi - 110064
Phone : +(91)-(011)-43854300
Email : reports@simalabs.com
CIN No : U74899DL1080PTC031765
Website : www.simalabs.net | www.skrstolab.com



TEST REPORT

Party Code : 3/PB/12641
*Issued to : **3.0 MLD STP (Phillaur South)**
Sub Divisional Engineer, PB W/S & Sew Sub
Division, Phillaur, Punjab :-

ULR : TC1122024200005170F

REPORT NO. : SE007006824/N
*Customer Ref.No. : NS
*Reference Date : NS
Date of Sampling : 06/06/2024
Date of Received : 07/06/2024
Date of Issue : 11/06/2024
Start Date of Analysis : 07/06/2024
Date of Completion : **11/06/2024**
Environmental Condition : 25±2°C, RH50±15%
Sample Condition : OK
*Sample Qty. : 1 Ltr.
SOP/Sampling Plan : SIMA/ENV/SOP/024
Test Method Deviation : NA
Sample Collection : Sample Drawn By Us

*Sample Name : Effluent Water (STP-Outlet)

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 06/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Chemical Parameter					
1.	pH	NA	7.08	5.5 to 9.0	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	15	100	IS:3025 (P-17)
3.	Biochemical Oxygen Demand (3 days at 27°C)	mg/L	6	30	IS:3025 (P-44)

NA- Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---

Pinky Rai
Pinky Rai
Reviewed By

Pratibha Hawat
Pratibha Hawat
Manager Technical Micro

Authorized Signatory
Diwakar Jha
Diwakar Jha
D.G.M Technical Environment

Remarks: 1. This test report is not valid without photographs.

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SIMA LABS

Sophisticated Industrial Materials Analytic Labs Pvt. Ltd.
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Ph-II, New Delhi - 110064
Phone : +91-(011)-43854300
Email : reports@sima4lab.com
CIN No : U74800DL1000017C031785
Website : www.simalab.net | www.simalab.com



TEST REPORT

Party Code : 3/PB/12641
*Issued to : 3.0 MLD STP (Phillaur South)

Sub Divisional Engineer, PB W/S & Sew Sub
Division, Phillaur, Punjab -

REPORT NO. : SE0607006824/0
*Customer Ref No. : NS
*Reference Date : NS
Date of Sampling : 06/06/2024
Date of Received : 07/06/2024
Date of Issue : 11/06/2024
Start Date of Analysis : 07/06/2024
Date of Completion : 11/06/2024
Environmental Condition : 25±2°C, RH50±15%
Sample Condition : OK
*Sample Qty. : 1 Ltr
SOP/Sampling Plan : SIMA/ENV/SOP/024
Test Method Deviation : NA
Sample Collection : Sample Drawn By Us

*Sample Name : Effluent Water (STP-Outlet)

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 06/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Microbiological contaminants					
1.	Faecal Coliform	MPN/100 ml	25	NA	APHA, 23rd Edition, 9221B&E: 2017

NA- Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---

Pinky Rai
Pinky Rai
Reviewed By

Pratibha Rawat
Pratibha Rawat
Manager Technical Micro

Authorized Signatory
Divakar Jhu
Divakar Jhu
B.G.M Technical Environment

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 - SIMA Labs Pvt. Ltd. will not be held responsible for the accuracy of any information, forged and or partially presented test reports
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1605

SIMA LABSSophisticated Industrial Materials
Analytic Labs Pvt. Ltd.

(GOVT. APPROVED TESTING LABORATORIES)

Address : A-37, Mayapuri Industrial Area,
Ph-B, New Delhi - 110064

Phone : +91 (011) 43854300

Email : reports@simalabs.com

CIN No : U74800DL1981P TC0317B5

Website : www.simalabs.net | www.simalab.com



TC-11220

TEST REPORT

ULR : TC1122024200005172F

Party Code
Issued to

: 4/PB/19911

40 MLD STP

GORAYA STP

Village-Boparoi, Near Shanshan Ghat, Sub
Divisional Engineer PB W/S & Sew. Sub Division,

Fazilka, Punjab

REPORT NO. : SE0007007024/N

*Customer Ref.No. : NS

*Reference Date : NS

Date of Sampling : 06/06/2024

Date of Received : 07/06/2024

Date of Issue : 11/06/2024

Start Date of Analysis : 07/06/2024

Date of Completion : 11/06/2024

Environmental Condition : 25±2°C, RH50±15%

Sample Condition : OK

*Sample Qty. : 1 Ltr.

SOP/Sampling Plan : SIMA/ENWSOP/024

Test Method Deviation : NA

Sample Collection : Sample Drawn By Us

*Sample Name : Effluent Water (STP-Outlet)

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 06/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Chemical Parameter					
1	pH	NA	7.15	5.5 to 9.0	IS:3025 (P-11)
2	Total Suspended Solids	mg/L	13	100	IS:3025 (P-17)
3	Biochemical Oxygen Demand (3 days at 27°C)	mg/L	8	30	IS:3025 (P-44)

NA- Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---

Pinky Rai
Reviewed ByPratibha Rawat
Manager Technical Micro

Authorized Signatory

Dwakar Jha
D.G.M Technical Environment

- Remarks:
- The Test Report is not valid without photograph
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 - SIMA stands for Sophisticated Industrial Materials Analytic

* Indicates details provided by the customer

Page: 1 of 1

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TEST REPORT



Party Code
 *Issued to

: 4/PB/19911
 * 0 MLD STP

Village-Boparai, Near Shamshahi Ghat, Sub
 Divisional Engineer PB W/S & Sew. Sub Division,
 Phraur, Punjab

*Sample Name : Effluent Water (STP-Outlet)

REPORT NO. : SE0007007024/0
 *Customer Ref.No. : NS
 *Reference Date : NS
 Date of Sampling : 06/06/2024
 Date of Received : 07/06/2024
 Date of Issue : 11/06/2024
 Start Date of Analysis : 07/06/2024
 Date of Completion : 11/06/2024
 Environmental Condition : 25±2°C, RH50±15%
 Sample Condition : OK
 *Sample Qty. : 1 Ltr.
 SOP/Sampling Plan : SIMA/ENV/SOP/024
 Test Method Deviation : NA
 Sample Collection : Sample Drawn By Us

RESULTS OF ANALYSIS

Reference : EP Act Standards

Sample Description : One Effluent water sample from outlet of STP was drawn by us on 06/06/2024

S.No.	Test Parameters	Units	Results	Limits	Method
Microbiological contaminants					
1.	Faecal Coliform	MPN/100 ml	33	NA	APHA, 23rd Edition, 9221B&E: 2017

NA- Not Applicable

The above mentioned parameters meets the specification of EP Act Standard.

--- End of Test Report ---

Pinky Rai

Pinky Rai
 Reviewed By

Pratibha Rawat

Pratibha Rawat
 Manager Technical Micro

Authorized Signatory

Diwakar Jha

Diwakar Jha
 D.G.M Technical Environment

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 - SIMA Stands for - Sophisticated Industrial Materials Analytic



ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

ਜੇਨਲ ਪ੍ਰੋਗਰਾਮਲਾ, ਫੇਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਵਾਟਰ ਟੈਕ, ਜਲੰਧਰ
 ਫੋਨ ਨੰਬਰ : 0181-2600301 www.ppcb.gov.in ਈਮੇਲ : zolabjalandhar@gmail.com

WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Water / 1-2 /2024
2.	Name of industry	STP Noormahal, (2.6 MLD), Tehsil-Phillaur, Jalandhar.
3.	Name of Sample Collecting Officer	Er. Gaurav (AEE)
4.	Type of Sample	Grab Monitoring
5.	Date of Sample Collection	01/04/2024
6.	Date of Sample Receipt in Lab	02/04/2024
7.	Point of sample collection	As per data sheet

RESULTS

S. No	PARAMETERS	Inlet	Outlet
1.	pH	7.0	7.5
2.	BOD (mg/l)	40	5
3.	TSS (mg/l)	42	BDL
4.	F.Coli (MPN/100 ml)	-	210

Analyzed by: Bal 16/4/24

o/c Scientific Officer
Zonal Lab, Jalandhar

Endst. No. 1337-39

Dated: 19/4/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Jalandhar.
3. The Environmental Engineer, Regional Office-2, Jalandhar along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.

o/c Asstt Scientific Officer
Zonal Lab, Jalandhar



ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

ਜੈਨਲ ਪ੍ਰਯੋਗਸ਼ਾਲਾ, ਫੈਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਚਾਟਰ ਟੈਕ, ਜਲੰਧਰ
 ਫੋਨ ਨੰਬਰ : 0181-2600301 www.ppcb.gov.in ਈਮੇਲ : zolabjalandhar@gmail.com

WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Water/ 86-87 /2024
2.	Name of Industry	STP Shahkol, (3 MLD), Jalandhar.
3.	Name of Sample Collecting Officer	Er. Sandeep Kaur (AEE)
4.	Type of Sample	Grab Monitoring
5.	Date of Sample Collection	06/05/2024
6.	Date of Sample Receipt in Lab	07/05/2024
7.	Point of sample collection	As per data sheet

RESULTS

S. No	PARAMETERS	Inlet	Outlet
1.	pH	6.7	7.1
2.	BOD (mg/l)	184	12
3.	TSS (mg/l)	423	32
4.	F.Coli (MPN/100 ml)	-	790

Analyzed by

Scientific Officer
Zonal Lab, Jalandhar

Endst. No. 1577-79

Dated: 18/5/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Jalandhar.
3. The Environmental Engineer, Regional Office-2, Jalandhar along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.

Asstt Scientific Officer
Zonal Lab, Jalandhar

49

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1



Punjab Biotechnology Incubator

Department of Science, Technology & Environment
Govt. of Punjab.

Notified State Analytical Agency

FSSAI Empanelled | DIC Approved | APEDA Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No. PBTI/ENV/080524/001123

Dated: 15/5/24

TEST REPORT

Sample Registration No. : PBTI/ENV/080524/001123
Sample code given by customer : **OUTLET, 25MLD STP, MC Kapurthala**

80-120

Issued to: Municipal Corporation Shalimar Bagh Kapurthala - 144601 PUNJAB	
SAMPLE PARTICULARS	
Your Ref. No.	Email dt. 08/05/24
Date of Receipt	08/05/24
Name/Nature of sample	Treated Effluent
Sample code given by customer	OUTLET, 25MLD STP, MC Kapurthala
Condition of the sample	Intact coded sample under unrefrigerated conditions
Brand name	NA
Qty/Pkg.	2L approx in plastic can
Batch No.	NA
Date of Manufacture	NA/NA
Sampling Method	Sample not drawn by PBTI
Test Start Date	08/05/24
Test Completion Date	15/05/24

Report Not Valid for
Content Purpose of PCO
PBTI/ENV/080524

[Signature]
15/5/24

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

- Note:
- The above results pertain only to the sample tested.
 - There is no addition, deviation or exclusion from the method mentioned.
 - The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - The report shall not be re-produced, excepted when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - Perishable samples will be destroyed after testing, others after one month from the date of the report. Unless otherwise agreed with the customer or as required by the applicable regulations.

Format No: PBTI/F/7.8/02
Issue No & Date : 02 & 03.10.23

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act [Approved NRTL by FSSAI] | Referral Lab Under FSSAI 2008

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab - 140 306, India
Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbtilab.com / pbtidat



Punjab Biotechnology Incubator

Department of Science, Technology & Environment
Govt. of Punjab

Notified State Analytical Agency

FSSAI Empowered Lab for LMO/GMO Detection under Seeds Act | Approved HRL by FSSAI | Referral Lab Under FSSAI 2006

Form: PBT/17/22/000524/011224

TEST REPORT

Date: 15/5/24

Sample Registration No. :

PBT/17/22/000524/011224

Sample code given by customer :

OUTLET, ISMAILI WJAS Kapurthala

Bo-180

Issued to:	
Municipal Corporation Chalwar Bag Kapurthala - 144601 PUNJAB	
SAMPLE PARTICULARS	
Year of. Inv.	Sample Id. 29/05/24
Date of Receipt	08/05/24
Name/Trade of sample	Treated Effluent
Sample code given by customer	OUTLET, ISMAILI WJAS Kapurthala
Condition of the sample	Sealed coded sample under well refrigerated conditions
Brand name	NA
Qty/Pkg.	2L approx in plastic can
Batch No.	NA
Date of Manufacture	NA/NA
Sampling Method	Sample not drawn by PBT
Test Start Date	01/05/24
Test Completion Date	28/05/24

Report Not Valid for
Consumer Purposes if PBT
PBTI Mohali

15/5/24

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 15

- Note:
- The above results pertain only to the sample tested.
 - There is no addition, deviation or exclusion from the method mentioned.
 - The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - The report shall not be re-produced, excepted when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - Perishable samples will be destroyed after testing, unless after one month from the date of the report, unless otherwise agreed with the customer or as required by the applicable regulations.

Format No: PBT/17/22/02
Issue No & Date: 02 & 01.10.23

National Referral Lab for LMO/GMO Detection under Seeds Act | Approved HRL by FSSAI | Referral Lab Under FSSAI 2006

Knowledge City, Sector-81, SAS Nagar (Mohali) punjab - 140 306, India
Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbt-labs.com /pbt_dct



Punjab Biotechnology Incubator

Department of Science, Technology & Environment
Govt. of Punjab.

Notified State Analytical Agency

FSSAI Empanelled | EIC Approved | APEDA Approved | Notified State Water Lab - GoP | Notified Under EPA - GoI

No. PBTI/ENV/080524/001123

Date: 15/5/24

TEST REPORT

Sample Registration No. : PBTI/ENV/080524/001123
Sample code given by customer : OUTLET, 25MLD STP, MC Kapurthala

Issued to:

Municipal Corporation
Shalimar Bagh
Kapurthala - 144601
PUNJAB

SAMPLE PARTICULARS

Your Ref. No.	:	Email dt. 05/05/24
Date of Receipt	:	05/05/24
Name/Nature of sample	:	Treated Effluent
Sample code given by customer	:	OUTLET, 25MLD STP, MC Kapurthala
Condition of the sample	:	Intact coded sample under unrefrigerated conditions
Brand name	:	NA
Qty/Pkg.	:	2L approx in plastic can
Batch No.	:	NA
Date of Manufacture	:	NA/NA
Sampling Method	:	Sample not drawn by PBTi
Test Start Date	:	05/05/24
Test Completion Date	:	15/05/24

Report Not Valid for
Consent Purpose of CPCB
PBTI, Mohali

Authorized Signatory
Punjab Biotechnology Incubator Lab
Employee Code: 16

- Note:
- The above results pertain only to the sample tested.
 - There is no addition, deduction or exclusion from the method mentioned.
 - The report shall not be used for advertising or any legal purpose without written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - The report shall not be re-produced, excepted when in full, without the written permission from the Chief Executive Officer, Punjab Biotechnology Incubator.
 - Perishable samples will be destroyed after testing, others after one month from the date of the report. Unless otherwise agreed with the customer or as required by the applicable regulations.

Format No: PBTI/F/2.2/02
Issue No & Date: 02 & 03.10.23

Page No. 1/2

National Referral Lab for LMO/GMO Detection under Seeds Act | Approved NRL by FSSAI | Referral Lab Under FSSA 2006

Knowledge City, Sector-81, SAS Nagar (Mohali) Punjab - 140 306, India
Phone : +91-172-2998601, 2998602, 2998603 Website : www.pbtllabs.com /pbt_i_dst

Dated: 15/5/24

Sample Registration No. : PBTI/ENV/080524/001123
 Sample code given by customer : OUTLET, 25MLD STP, MC Kapurthala

S. No.	Parameters	Results	Units	Standard/Specification/Method Followed
1	Total Suspended Solids (TSS)	24	mg/l	IS3025(Part 17) 2022
2	Biochemical Oxygen Demand (BOD ₅) at 27°C)	28	mg/l	IS3025(Part 44) 1993
3	Chemical Oxygen Demand (COD) Total	108	mg/l	IS3025(Part 58) 2006
4.	Faecal Coliform, MPN/100ml	0.9×10^3	mp/l	IS1622: 1981

Report Not Valid for
 Consent Purpose of PCB
 PBTI, Mohali


 15/5/24

Authorized Signatory
 Punjab Biotechnology Incubator Lab

pbt

82/2 ?



ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

ਜੇਨਲ ਪ੍ਰਯੋਗਸ਼ਾਲਾ, ਫੋਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਵਾਟਰ ਟੈਕ, ਜਲੰਧਰ
ਫੋਨ ਨੰਬਰ : 0181-2600301

www.ppcb.gov.in

ਈਮੇਲ : zolabjalandhar@gmail.com

WATER SAMPLE ANALYSIS REPORT

1.	Laboratory Sample No	Lab/Water / 764-85 /2024
2.	Name of industry	STP Rawal Colony (02 MLD), Kapurthala (Jalal Bhulana)
3.	Name of Sample Collecting Officer	Er. Gaurav (AEE)
4.	Type of Sample	Grab Monitoring
5.	Date of Sample Collection	05/03/2024
6.	Date of Sample Receipt in Lab	06/03/2024
7.	Point of sample collection	As per data sheet

RESULTS

S. No	PARAMETERS	Inlet	Outlet
1.	pH	7.0	7.3
2.	BOD (mg/l)	118	8
3.	TSS (mg/l)	97	10
4.	F.Coli (MPN/100 ml)	-	70

Analyzed by:

[Signature]
18/3/24

Scientific Officer
Zonal Lab, Jalandhar

[Signature]

Endst. No. 422-221

Dated: 20/3/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Jalandhar.
3. The Environmental Engineer, Regional Office-2, Jalandhar along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.

[Signature]
18/3/24
Asstt Scientific Officer
Zonal Lab, Jalandhar

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SIMA LABS
 Sophisticated Industrial Materials
 Analytic Labs Pvt. Ltd.
 (ISO 9001:2015 CERTIFIED TESTING LABORATORIES)

Address : Plot No. 37, Sector-7, ILE, SHOCL, HARIDWAR-243403
 Phone : +(91)-(01334)-230552 | M : 990371 33345
 Email : simaharidwar@simalab.co.in
 CIN No : U74899DL1905PTC031745
 Website : www.simalab.net | www.simalab.com

TESTING STREAMS: FOOD & AGRI PRODUCTS • DRUGS & COSMETICS • ENVIRONMENT • WATER

7.8 F-01

TEST REPORT



PARTY CODE : EIPBA029
 ISSUED TO

09 MLD SEWAGE TREATMENT PLANT AT
 PHAGWARA SOUTH

Narang Shahpura, Hadliabad, Phagwara Sub Division
 Engineer PB w/s Sew Sub Division, Phagwara, Punjab

REPORT NO. : US0713000222
 REF. NO. : NS

REF. DATE : NS
 DT.RECD : 10/05/2024



SAMPLE NAME : EFFLUENT WATER (STP-OUTLET)

RESULTS OF ANALYSIS

Reference : EP Act Standard

DESCRIPTION : One Effluent water sample from Outlet of STP was drawn by us on

SAMPLING DATE : : 09/05/2024

SAMPLE QTY. : 1 LTR

S No	Parameters	Units	Results	Protocols
1.	pH	NA	7.51	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	13	IS:3025 (P-17)
3.	Total Dissolved Solids	mg/L	609	IS:3025 (P-16)
4.	Chemical Oxygen Demand	mg/L	44	IS:3025 (P-58)
5.	Biochemical Oxygen Demand (for 3 days at 27 °C)	mg/L	9	IS:3025 (P-44)
6.	Oil & Grease	mg/L	<3.0	IS:3025 (P-39)
7.	Faecal Coliform	MPN/100 ml	70	APHA 23rd Ed. (9221 E 2017)

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**SIMA LABS**

Sophisticated Industrial Materials
Analytic Labs Pvt. Ltd.

(GOVT. APPROVED TESTING LABORATORIES)

Address : Plot No. 37, Sector-7, I.I.E, SIDCUL, HARIDWAR-249403

Phone : +(91)-(01334)-235552 | M : 090371 33345

Email : simaharidwar@simalab.com

CIN No : U74309DL1900PTC631785

Website : www.simalab.net | www.simalab.com

TESTING STREAMS • FOOD & AGRI PRODUCTS • DRUGS & COSMETICS • ENVIRONMENT • WATER

7.8 F-01

**TEST REPORT**

PARTY CODE : 000031
ISSUED TO : P.B. W/S SEWAGE TREATMENT PLANT AT
BANGALWARA (NORTH)
Sd/- Divisional Engineer, PB W/S Sew Sub Division,
Haridwar, Punjab

REPORT NO. : US0713000422

REF. NO. : NS

REF. DATE : NS

DT.RECD : 10/05/2024



SAMPLE NAME : EFFLUENT WATER (STP-OUTLET)

RESULTS OF ANALYSIS

Reference : EP Act Standard

DESCRIPTION : One Effluent water sample from outlet of STP was drawn by us on 12/07/2022

SAMPLING DATE : 04/05/2024

SAMPLE QTY. : 1 LTR.

S.No.	Parameters	Units	Results	Limit (Max.)	Protocols
1.	pH	NA	7.34	5.5 to 9.0	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	21	100	IS:3025 (P-17)
3.	Total Dissolved Solids	mg/L	623	NA	IS:3025 (P-16)
4.	Thermal Demand	mg/L	88	250	IS:3025 (P-58)
5.	Biochemical Oxygen Demand (for 3 days at 27°C)	mg/L	20	30	IS:3025 (P-44)
6.	Oil & Grease	mg/L	<3	10	IS:3025 (P-39)
7.	Faecal Coliform	MPN/100 ml	70	NA	APHA 23rd Ed. (9221 E 2017)

Date of performance : 10/05/2024 to 15/05/2024

NA = Not Applicable, BDL = Below Detection Limit

SAMPLE DRAWN BY US

Arvind Gupta
Tech. Manager (Env.)
AUTHORISED SIGNATORY

Date of completion : 15/05/2024

— End of Test Report —

Head Office : A-3/7, Mayapuri Institutional Area, Ph-II, New Delhi-110064 Phone : +(91)-(11) 43354300 Email : reports@simalab.com Page: 1 of 1

THIS CERTIFICATE IS NOT VALID WITHOUT A HOLOGRAM

SIMA

1/2

1616

TESTING STREAMS: FOOD & AGRI PRODUCTS • DRUGS & COSMETICS • ENVIRONMENT • WATER

7.8 F-01

TEST REPORT



PARTY CODE : D/PB/13448
ISSUED TO : 08 MLD SEWAGE TREATMENT PLANT AT PHAGWARA NORTH
 Sub Divisional Engineer, PB W/S Sew Sub Division, Phagwara, Punjab

REPORT NO. : US0713000522
REF. NO. : NS
REF. DATE : NS
DT.RECD : 10/05/2024



SAMPLE NAME : EFFLUENT WATER (STP-OUTLET)

RESULTS OF ANALYSIS

Reference : Party's Requirement

DESCRIPTION : One Effluent water sample from outlet of STP was drawn by us on

SAMPLING DATE : 09/05/2024

SAMPLE QTY. : 1 LTR.

S.No.	Parameters	Units	Results	Limit (Max.)	Protocol
1.	pH	NA	7.42	5.5 to 9.0	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	16	100	IS:3025 (P-17)
3.	Total Dissolved Solids	mg/L	658	NA	IS:3025 (P-16)
4.	Chemical Oxygen Demand	mg/L	48	250	IS:3025 (P-58)
5.	Biochemical Oxygen Demand (for 3days at 27°C)	mg/L	9	30	IS:3025 (P-44)
6.	Oil & Grease	mg/L	<3	10	IS:3025 (P-39)
7.	Faecal Coliform	MPN/100 ml	84	NA	APHA 23rd Ed. (9221 E 2017)

Date of performance : 10/05/2024 to 15/05/2024

NA = Not Applicable

SAMPLE DRAWN BY US

Arvind Gupta
Arvind Gupta
 Tech. Manager (Env.)
 AUTHORISED SIGNATORY

Date of completion : 15/05/2024

--- End of Test Report ---

admin

Page: 1 of 1

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CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Sr. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024			Compliant/ Non-compliant w.r.t.		Fail/Pass
								BOD (mg/l)	FC (MPN/100ml)	BOD (mg/l)	FC (MPN/100ml)	BOD (mg/l)	FC (MPN/100ml)	Design Standards	Current Discharge Standards		
1	Beas	Kapurthala	Sultangur Lodhi	Jalandhar	MC	3	WSP	30	-	30	1000	32	22000	NC	NC	Fail	

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

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Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024		Compliant/ Non-compliant w.r.t.		Fail/Pass
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards	
Bholath	Jalandhar	PWSSB	4	WSP	30	-	30	1000	23	2200	NC	NC	Fail

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GLOBAL TESTING & RESEARCH CENTRE

Plot No. 120 (10 Marla), Industrial Area Phase-II, Chandigarh -160 002
 Tel.: 0172-5014444, 9855611075, 9357007532
 E-mail : globaltestinglab@gmail.com, globaltesting@yahoo.com



TEST REPORT

Issue To :

M/s 21st Century Enviro Engineers Pvt Ltd

2.5 MLD STP Plant Begowal

Distt, kapurthala (Punjab)

Analytical Report No. : GTRC/1600235/003N

Dispatch No. : GTRC/DI-4084/24-25

Dispatch Date: 06.06.2024

Sample Particulars :

Type /Name of sample : Grab/STP Inlet & STP Outlet

Period of Analysis : 03.06.2024 to 06.06.2024

Sampling Date : 03.06.2024

Receipt Date : 03.06.2024

TEST RESULTS

Sl	Parameters	Unit	Results		Test Method
			STP Inlet	STP Outlet	
1	pH	--	6.9	7.5	IS:3025(P-11)
2	Total Suspended Solids	mg/l	230	10	IS:3025(P-17)
3	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	mg/l	120	8	IS:3025(P-44)
4	Chemical Oxygen Demand (COD)	mg/l	410	30	IS:3025(P-58)
5	Fecal Coliform Count	MPN/100ml	1x10 ⁶	730	APHA

*** End of report ***

Gurraj
 Authorized Signatory

CR-3: Monitoring of STPs by PFCB for the Month of May, 2024

Sr. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Dept.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024		Compliant/ Non-compliant w.r.t.		Fail/ Pass	Remarks
								BOD (mg/l)	FC (MPN/100ml)	BOD (mg/l)	FC (MPN/100ml)	BOD (mg/l)	FC (MPN/100ml)	Design Standard ds	Current Discharge Standards		
RIVER TOWNS																	
1	Sudej	Ludhiana	Bhatiana-I	Ludhiana-3	MCL	131	UASB	30	1000	30	1000	6	700				
2	Sudej	Ludhiana	Bhatiana-II	Ludhiana-3	MCL	50	SBR	5	1000	30	1000	7	210				
3	Sudej	Ludhiana	Bhatiana-I	Ludhiana-3	MCL	132	UASB	30	1000	30	1000	12	1700				
4	Sudej	Ludhiana	Bhatiana-II	Ludhiana-3	MCL	105	SBR	5	1000	30	1000	6	24				
5	Sudej	Ludhiana	Machhuwa	Ludhiana-1	PVSSB	4	SBR	5	1000	30	1000	10	540				
6	Sudej	Ludhiana	Sarwan	Ludhiana-1	PVSSB	7	SBR	10	1000	30	1000	7	26				
7	Sudej	Ludhiana	Jagan-II	Ludhiana-3	PVSSB	12	SBR	10		30	1000	0	94				
8	Sudej	Ludhiana	Jagan-II	Ludhiana-3	PVSSB	16	SBR	10		30	1000	BDL	40				
9	Non-River	Ludhiana	Malou	Ludhiana-1	Under GLADA	2	MBR			30	1000	32	11000				
10	Non-River	Ludhiana	Paya	Ludhiana-1	Under GLADA	2	MSBR			30	1000	10	920				
11	Non-River	Ludhiana	Doraha (Zone-2) Kazrah	Ludhiana-1	Under GLADA	1	MBR			30	1000						Sample was not received
12	Non-River	Ludhiana	Doraha (Zone-1) Anchar	Ludhiana-1	Under GLADA	3	MBR			30	1000						Sample was not received
13	Non-River	Ludhiana	Doraha (Zone-3) (Deozar)	Ludhiana-1	Under GLADA	1	MBR			30	1000	53	1,28,00,000				
14	Non-River	Ludhiana	Mulampur Dabhe	Ludhiana-4	Under GLADA	3	MSBR			30	1000						Sample was not received
15	Sudej	Ludhiana	Jaganpur	Ludhiana-3	MCL	225	SBR	30	1000	30	1000	20	1140				
16	Sudej	Ludhiana	STP Bahawal III	Ludhiana-3	MCL	60	SBR										
17	Non-River	Ludhiana	STP Samra	Ludhiana-2			SBR										

90-90



Punjab Pollution Control Board
 Zonal Laboratory, E-648-B, 2nd Floor,
 Phase-5, Focal Point, Ludhiana.

1621

89 3
 ਨਵੀ ਕ੍ਰੋਕ ਚੁ. ਵਾਤਾ ਇੰਜੀ
 ਡਾਇਰੀ ਨੰ ..13.55 ਮਿਤੀ ..5/6/24

STP's Analysis Report

- Laboratory Sample no.: STP/ 45-46 /Zonal Lab. Monitoring/2024
- Name & address of Industry/organization: **M/s STP 225 MLD, Jamalpur,**
Tajpur Road,
Ludhiana.
- Name of Sample Collecting Officer : Er. Deepak Kumar Salana, AEE ,
- Designation of the officer authorizing test Environmental Engineer, Regional office-3, Ludhiana
- Type of Sample : Grab
- Date & Time of Sample Collection : 29.05.2024
- Date & Time of Sample receipt in lab : **29.05.2024**
- Test Methods : As per relevant parts of IS:3025/ Methods of APHA

Test Results:

Parameters	Results			Prescribed Standards as per notification no 188 dt 28.3.2019
	Inlet Of STP	Outlet Of STP	Units	
pH	7.0	7.3	-	6.5-8.5
Total Suspended Solids	610	BDL	mg/l	<100
Total Dissolved Solids	1320	1140	mg/l	-
Bio-chemical Oxygen Demand (BOD ₅) at 27 °C	110	BDL	mg/l	30
F-Coli	54,00,000	20	MPN/100ml	<1000

The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.
 -----End of Report-----

[Signature]
 Junior Scientific Officer,
 Zonal Lab, Ludhiana

Dated 04-06-2024

Encls. No. 1403-05

A copy of the above is forwarded to the following for information and necessary action please

- along with data sheet:-
- The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
 - The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana.
 - The Environmental Engineer, Punjab Pollution Control Board, Regional Office-3, Ludhiana.

[Signature]
 Scientific Officer,
 Zonal Lab, Ludhiana
 4/6/24

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EII (2024-25)

**PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT**



- | | |
|--------------------------------------|--|
| 1. Laboratory Sample No. | E-189-190/H.O.Lab. Monitoring/2024-25 |
| 2. Name of Industry | STP 29 MLD, Khanna |
| 3. Name of Sample collecting Officer | Er. Pritpal Kaur, AEE |
| 4. Designation of authorizing Test | Environmental Engineer, Regional Office, Fatehgarh Sahib |
| 5. Type of Sample | Grab |
| 6. Date & Time of Sample collection | 02.05.2024 |
| 7. Date of Sample receipt in Lab. | 03.05.2024 |
| 8. Period of Analysis | 03.05.2024 to 08.05.2024 |
| 9. Test Methods | As per relevant parts of IS:3025/IS:1622 & Methods of APHA |

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.2	7.5	6.5-9.0
2	Total Suspended Solids mg/l	103	10	<100
3	Bio-chemical Oxygen Demand mg/l	87	9	30
4	Faecal Coliform MPN/100ml	94,000	180	<1000

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19, However, if any stringent other standards have been imposed by the Board, the same shall prevail.

---End of Report---

Scientific Officer

Dt. 13/5/24

Endst. No: 11970-72

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-II, Patiala
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Fatehgarh Sahib.

Asst. Scientific Officer

1623

Punjab Pollution Control Board

Zonal Laboratory, E-64B-B, 2nd Floor,
Phase-5, Focal Point, Ludhiana.

ਨਵੀਂ ਡਰਾਕ ਜ਼. ਵਾੜਾ ਇੰਜੀ

Email: ppcb@ppcb.org

ਵਾੜਾ ਇੰਜੀ

STP's Analysis Report

1. Laboratory Sample no.: STP/ 35 - 36 /Zonal Lab. Monitoring/2024
2. Name & address of Industry/organization: M/s STP Jagraon 12 MLD, Malak Road, Jagraon
3. Name of Sample Collecting Officer: Er. Ikandeep Singh, AEE
4. Designation of the officer authorizing test: Environmental Engineer, Regional office-3, Ludhiana
5. Type of Sample: Grab
6. Date & Time of Sample Collection: 13.05.2024
7. Date & Time of Sample receipt in lab: 13.05.2024
8. Test Methods: As per relevant parts of IS:3025/ Methods of APHA

Test Results:

Parameters	Results			Standard/ Specification/M ethod Followed	Prescribed Standards as per notification no 188 dt. 28.3.2019
	Inlet Of STP	Outlet Of STP	Units		
pH	7.6	6.6	-	IS 3025 Part-11	6.5-8.5
Total Suspended Solids (TSS)	180	9	mg/l	IS 3025 Part-17	<100
Bio-chemical Oxygen Demand (BOD ₅) at 27 °C	80	6	mg/l	IS 3025 Part-44	30
F coli	-	94	MPN/100ml	APHA 9221 E	<1000

Remarks- The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019.
However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

-----End of Report-----

Junior Scientific Officer,
Zonal Lab, Ludhiana

Dated 28/05/24

Encls. No. 1333-55

A copy of the above is forwarded to the following for information and necessary action please along with data sheet:-

- The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
- The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana.
- The Environmental Engineer, Punjab Pollution Control Board, Regional Office-3, Ludhiana.

Scientific Officer,
Zonal Lab, Ludhiana

28/5/24

Punjab Pollution Control Board

Zonal Laboratory, E-648-B, 2nd Floor,
Phase-5, Focal Point, Ludhiana.

ਸਰਕਾਰ ਪੰਜਾਬ
ਪ੍ਰਦੂਸ਼ਣ ਨਿਰਧਾਰਨ ਬੋਰਡ
ਲੁਧਿਆਣਾ

ਨਵੀਂ ਡਾਕ ਖ਼. ਵਾਤਾ ਵਿੱਚੀ

ਵਾਤਾ ਵਿੱਚੀ

ਸਾਈਟ ਨੰ. 3

STP's Analysis Report

- Laboratory Sample no.: STP/ 33 - 34 /Zonal Lab. Monitoring/2024
- Name & address of Industry/organization: **M/s STP 16 MLD, Disposal Road, Jagraon**
- Name of Sample Collecting Officer: Et. Harandeep Singh, AEE,
- Designation of the officer authorizing test: Environmental Engineer, Regional office-1, Ludhiana
- Type of Sample: Grab
- Date & Time of Sample Collection: 13.05.2024
- Date & Time of Sample receipt in lab: 13.05.2024
- Test Methods: As per relevant parts of IS: 3025/ Methods of APHA

Test Results:

Sr. No	Parameters	Results			Standard/ Specification/M method Followed	Prescribed Standards as per notification no 188 dt. 28.3.2019
		Inlet Of STP	Outlet Of STP	Units		
1	pH	7.5	7.3	-	IS 3025 Part-11	6.5-8.5
2	Total Suspended Solids (TSS)	246	9	mg/l	IS 3025 Part-17	<100
3	Bio-chemical Oxygen Demand (BOD ₅) at 27 °C	700	BDL	mg/l	IS 3025 Part-14	30
4.	F.coli	-	40	NPW/(100ml)	APHA 9221 E	<1000

Remarks- The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

-----End of Report-----

(Signature)
Junior Scientific Officer,
Zonal Lab, Ludhiana

Dated 28/05/24

Encls. No. 1350-52

A copy of the above is forwarded to the following for information and necessary action please

along with data sheet:

- The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
- The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana.
- The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.

(Signature)
Scientific Officer,
Zonal Lab, Ludhiana

28/5/24

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Sr. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024			Compliant/ Non-compliant w.r.t.		Fail/Pass
								BOB (mg/l)	FC (NPN/ 100ml)	EOD (mg/l)	FC (NPN/ 100ml)	BOB (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards		
1	Non-River	Ludhiana-1	Doraha (Zone-3) (Begonia)	Ludhiana-1	Under G.ADA	1	MBBR	-	-	30	1000	53	1,20,00,000	NC	NC		Fail



updated.
Punjab Pollution Control Board
 Zonal Laboratory, E-648-B, 2nd Floor,
 Phase-5, Focal Point, Ludhiana.

ਮਿਸ. ਮਹਾ. / ਸੁਨੀ. ਮਹਾ. / ਸਟੈਨੋ
 ਮਹਾ. ਵਾਤਾ. ਵਿੱਚੀ-1,2,3,4
 ਲੁਧੀ ਭਾਗ
 ਡਾਇਰੀ ਨੰ: 1803
 ਮੋਰਚਿੰਗ/2024-25
 ਡਾ. ਗੁਰਪ੍ਰੀਤ ਸਿੰਘ
 ਡਾ. ਗੁਰਪ੍ਰੀਤ ਸਿੰਘ

STP's Analysis Report

- | | |
|--|--|
| 1. Laboratory Sample no.: | STP/28 - 29/Zonal Lab. Morching/2024-25 |
| 2. Name & address of Industry/organization: | M/S STP Machhiwara (4 MLD), SBR Technology |
| 3. Name of Sample Collecting Officer : | Er. Gurpreet Singh, Assistant Environmental Engineer |
| 4. Designation of the officer authorizing test | Environmental Engineer, Regional office-1, Ludhiana |
| 5. Type of Sample : | Grab |
| 6. Date & Time of Sample Collection : | 04.04.2024 08:05.2024 |
| 7. Date & Time of Sample receipt in lab | 05.04.2024 09:05.2024 |
| 8. Test Methods | As per relevant parts of IS:3025/ Methods of APHA |

Test Results:

Sr No	Parameters	Results			Prescribed Standards as per notification no 188 dt 28.3.2019
		Inlet OF STP	outlet OF STP	Units	
1	pH	6.9	7.5	-	6.5-8.5
2	Total Suspended Solids (TSS)	1840	24	mg/l	<100
3	Bio-chemical Oxygen Demand (BOD ₅) at 27 °C	170	10	mg/l	30
4	F.coli	—	540	MPN/(100ml)	<1000

Remarks- 1) BDL means Below Method Detection limit.
 2) The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

-----End of Report-----

Junior Scientific Officer,
 Zonal Lab, Ludhiana

Dated 16/05/2024

Ends. No. 1286-58

A copy of the above is forwarded to the following for information and necessary action please along with data sheet:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-1, Ludhiana.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.

Scientific Officer,
 Zonal Lab, Ludhiana.

16/5/24



Updated.
1627
Punjab Pollution Control Board
Zonal Laboratory, E-648-B, 2nd Floor,
Phase-5, Focal Point, Ludhiana.

(3)
ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਨਿਰਮੂਲਕ ਬੋਰਡ
ਜਲਾ. ਖਾਤਾ. ਫਿਟਿੰਗੀ-1,2,3,4

ਨਵੀਂ ਡਾਕ
26/05/2024
ਜਲਾ. ਖਾਤਾ. ਫਿਟਿੰਗੀ
17/5/24

STP's Analysis Report

Email: ppcb@ppcb.com
ਫਾਈਲ ਨੰ: 1805
17-5-24

- | | |
|--|---|
| 1. Laboratory Sample no.: | STP/21 - 22/Zonal Lab. Monit |
| 2. Name & address of Industry/organization: | M/S STP Sahnewal (7 MLD, SBR Technology). |
| 3. Name of Sample Collecting Officer : | Er. Deepak Chadha, Assistant Environmental Engineer |
| 4. Designation of the officer authorizing test | Environmental Engineer, Regional office-1, Ludhiana |
| 5. Type of Sample : | Grab |
| 6. Date & Time of Sample Collection : | 03.05.2024 |
| 7. Date & Time of Sample receipt in lab | 03.05.2024 |
| 8. Test Methods | As per relevant parts of IS:3025/ Methods of APHA |

Test Results:

Sr No	Parameters	Results			Prescribed Standards as per notification no 188 dt 28.3.2019
		Inlet of STP	Outlet OF STP	Units	
1	pH	7.4	7.4	-	6.5-8.5
2	Total Suspended Solids (TSS)	197	14	mg/l	<100
3	Bio-chemical Oxygen Demand (BOD ₅) at 27 °C	68	7	mg/l	30
4	F.coli	-	26	MPN/100ml)	<1000

Remarks- The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

Gurpreet K
Junior Scientific Officer,
Zonal Lab, Ludhiana

Ends. No. 1283-85

Dated 16/05/2024

A copy of the above is forwarded to the following for information and necessary action please along with data sheet:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-1, Ludhiana.
- ✓ 3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana.

Mit
Scientific Officer,
Zonal Lab, Ludhiana
16/5/24



Punjab Pollution Control Board

Zonal Laboratory, E-648-B, 2nd Floor,
Phase-5, Focal Point, Ludhiana.

Email: stpp@punjabpcb.com

N-33

CB

STP's Analysis Report

1. Laboratory Sample no.: STP/ 37 - 38/Zonal Lab. Monitoring/2024
2. Name & address of Industry/Organization: P/s STP Samrala, (SBR - 4 MLD)
3. Name of Sample Collecting Officer: Er. Gurmohar Singh, Asstt. Environment Engineer,
4. Designation of the officer authorizing test: Environmental Engineer, Regional office-2, Ludhiana
5. Type of Sample: Grab
6. Date & Time of Sample Collection: 16.05.2024
7. Date & Time of Sample receipt in lab: 16.05.2024
8. Test Methods: As per relevant parts of IS:3025/ Methods of APHA

Test Results:

Sr. No	Parameters	Results			Prescribed Standards as per notification no 188 dt 28.3.2019
		Inlet of STP.	Outlet of STP	Units	
1	pH	8.2	7.5	-	6.5-8.5
2	Total Suspended Solids	216	8	mg/l	<100
3	Bio-chemical Oxygen Demand (BOD ₅) at 27°C	100	BDL ✓	mg/l	30
4	F.coli	91,00,000	47 ✓	MPN/100ml	<1000

Remarks- The prescribed standards are as per PPCB notification no. 188 dated 28.3.2019. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

-----End of Report-----

(Signature)
Junior Scientific Officer,
Zonal Lab, Ludhiana

Dated 28/05/2024

Encls. No. 1315-17

A copy of the above is forwarded to the following for information and necessary action please, along with data sheet:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-1, Ludhiana.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-2, Ludhiana.

(Signature)
Scientific Officer,
Zonal Lab, Ludhiana
28/05/24

Punjab Pollution Control Board

Zonal Laboratory-18-B, 2nd Floor,
Phase-5, Focal Point, Ludhiana.

1629

STP's Analysis Report

1. Laboratory Sample no. **STP 17-18 / Zonal Lab, Monitoring/2024**
2. Name & Address of Industry/Organization **M/s STP, Mullanpur, (J.M.D.)**
3. Name of Sample Collecting officer **Dist. Ludhiana.**
4. Designation of the officer authorizing test **Er. Harpreet Singh, Asstt. Environmental Engineer**
5. Type of Sample **Environmental Engineer, Regional office-4, Ludhiana**
6. Date & Time of Sample Collection **Composite**
7. Date & Time of Sample receipt in lab **29.01.2024**
8. Test Methods **30.01.2024**

As per relevant parts of IS:3025/ Methods of APHA

Test Results:

Sr. No	Parameters	Results			Prescribed Standards as per notification no 188 dt 28.3.2019
		Inlet Of STP	Outlet Of STP	Units	
1	pH	6.9	7.3	-	6.5-8.5
2	Total Suspended Solids (TSS)	520	42	mg/l	<100
3	Total Dissolved Solids (TDS)	851	773	mg/l	-
4	Chemical Oxygen Demand (COD)	840	76	mg/l	-
5	Bio-chemical Oxygen Demand (BOD ₅) at 27°C	160	14	mg/l	30
6	Total Coliform	84,00,000	940	NPN/(100ml)	<1000

Remarks: The prescribed standards are as per PCB notification no. 188 dated 28.3.2019. However, if any stricter/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

[Signature]
Junior Scientific Officer,
Zonal Lab, Ludhiana
Dated 30/1/24

Encls. No. 1231-33

A copy of the above is forwarded to the following for information and necessary action please

- 1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
- 2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office-2, Ludhiana.
- 3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office-4, Ludhiana.

[Signature]
Scientific Officer,
Zonal Lab, Ludhiana
7/1/24

1. Organic parameter (freezer below 4°C)



Dated :

ULR : TC127622400000624F

Sample Registration No. : PBTI/ENV/080624/000190

Sample code given by customer : Code- Outlet Sample of 1.5 MLD STP at Payal Town

Test Results

S.No.	Parameter	Results	Units	Standard / Specification / Method Followed
1	pH	8.65		IS 3025 (Part 11) 2022
2	Total Suspended Solids (TSS)	17	mg/l	IS 3025 (Part 17) 2022
3	Total Dissolved Solids (TDS)	3003	mg/l	IS 3025 (Part 16) :2023
4	Biochemical Oxygen Demand (BOD5 at 20oC)	<1	mg/l	IS 3025 (Part 44) : 2023
5	Chemical Oxygen Demand (COD) Total	5.3	mg/l	IS 3025 (Part 58) 2023
6	Faecal coliform	<1	MPN/100ml	IS 1622: 1981

14/6/2024
Authorized Signatory

Punjab Biotechnology Incubator Lab
Employee Code : Employee Code: 16

Report Not Valid for
Consent Purpose of PPCB
PBTI, Mohali

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024		Compliant/ Non-compliant w.r.t.		Fail/Pass
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards	
Malbud	Ludhiana	Under GLADA	2	MBBR			30	1000	32	11000	NC	NC	Fail



CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION

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GST No. 03AANFC5010D1Z5



TEST REPORT

Page 01 of 01

Format No. : CITRO/QSF/0716

ISSUED TO: M/s Brightway Engineers And Traders 697, sector 43-a, Chandigarh, 160036	Report No.	CITRO/QC/080624/049 (1)
	Issue date	12-06-2024
	NABL ULR No.	TC895324000000599 F
	Reg. No. & Date	R-24-06-14 & 08-06-2024
	Customer Ref. & Date	NA
Sample Receipt Date: 08-06-2024	Analysis Start Date: 08-06-2024	Analysis Completion Date: 12-06-2024

A. Particulars of the Sample

Name of Sample	STP Outlet Water	Testing as Per	EPA 1986, PCLS/02/2021
Brand Name (If any)/ Location	STP Mansa (MBBR Technology)	Declared Values (If any)	NA
Sample Code No.	NA	Batch No. & D.O.M.	NA
Sample Quantity	2 Ltr.	Mode of Packing	Packed in Plastic Can
Sample Condition	Good	IO's Signature	NA
Discipline	Chemical	Group	Pollution & Environment
Any Other Information	Sample received in lab on dated 08-06-2024		

B. Supplementary Information:

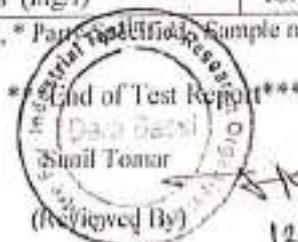
1.	Reference to Sampling Procedure	NA
2.	Supporting Documents for the Measurements Taken and Results Derived Like: Graphs/Tables/Sketches/Photographs as Appropriate to the Test Report (if any)	NA
3.	Addition to, Deviations, or Exclusions from the Relevant Test Method/Work Instructions (if any)	NA

C. Test Results:

S. No.	Test Parameters	Test Method	* Standards	Test Result
1	pH Value	IS: 3025 (P-11)	6.50-8.00	6.71
2	Chemical Oxygen Demand (mg/l)	IS: 3025 (P-58)	100 max.	60
3	Biochemical Oxygen Demand (3 days at 27°C) (mg/l)	IS: 3025 (P-44)	20 max.	10
4	Total Suspended Solids (mg/l)	IS: 3025 (P-17)	30 max	18

D. Remarks: NA: Not Applicable, * Part of field sample not drawn by lab.

Chand
Chandan Bhardwaj
(Section Incharge)
(Reviewed By)



Gaurav Goyal
Technical Head
(Authorized Signatory)

Gaurav
12-06-2024

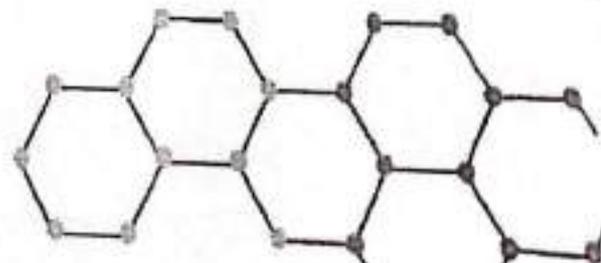
Disclaimer: 1. Test results are related only to the items/sample tested, total liability of this lab is limited to invoiced amount only.
2. Test report in full or parts shall not be used for promotional or publicity purpose.
3. Sample stored after analysis as per Quality System Procedure.
4. If sample received, the results apply to the sample "as received".

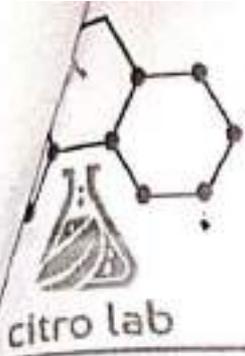
Address : Village-Jawaharpur, opposite to Ind Swift Factory,
Derabassi, Distt-SAS Nagar, Punjab-140507

Email : info@citrolab.com

Contact us: +91-8528969439, +91-9560228522

Website : www.citrolab.com





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GST No. 03AANFC5010DIZ5



TEST REPORT

Page 01 of 01

Format No. : CITRO/QSF/0716

ISSUED TO: M/s Brightway Engineers And Traders 697, sector 43-a, Chandigarh, 160036	Report No.	CITRO/QC/080624/049 (2)
	Issue date	12-06-2024
	Reg. No. & Date	R-24-06-14 & 08-06-2024
	Customer Ref. & Date	NA
Sample Receipt Date: 08-06-2024	Analysis Start Date: 08-06-2024	Analysis Completion Date: 12-06-2024

A. Particulars of the Sample

Name of Sample	STP Outlet Water	Testing as Per	EPA 1986, PCLS/02/2021
Brand Name (If any)/ Location	STP Mansa (MBBR Technology)	Declared Values (If any)	NA
Sample Code No.	NA	Batch No. & D.O.M.	NA
Sample Quantity	2 Ltr.	Mode of Packing	Packed in Plastic Can
Sample Condition	Good	IO's Signature	NA
Discipline	Chemical	Group	Pollution & Environment
Any Other Information	Sample received in lab on dated 08-06-2024		

B. Supplementary Information:

1.	Reference to Sampling Procedure	NA
2.	Supporting Documents for the Measurements Taken and Results Derived Like: Graphs/Tables/Sketches/Photographs as Appropriate to the Test Report (if any)	NA
3.	Addition to, Deviations, or Exclusions from the Relevant Test Method/Work Instructions (if any)	NA

C. Test Results:

S. No.	Test Parameters	Test Method	* Standards	Test Result
1	Fecal Coliform, MPN/100 ml	IS:1622:1981	1000 max	220

D. Remarks: NA: Not Applicable, * Party Specimen - Sample not drawn by lab.

Chand 12-06-2024
Chandan Bhardwaj
(Section Incharge)
(Reviewed By)



Gaurav Goyal 12-06-2024
Technical Head
(Authorized Signatory)

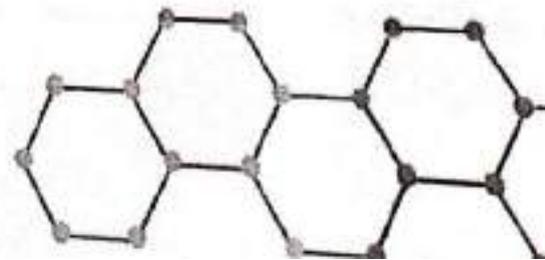
- Disclaimer:
1. Test results are related only to the item/sample tested, total liability of this lab is limited to invoiced amount only.
 2. Test report in full or parts shall not be used for promotional or publicity purpose.
 3. Sample stored after analysis as per Quality System Procedure.
 4. If sample received, the results apply to the sample "as received".

Address * Village-Jawaharpur, opposite to Ind Swift Factory,
Derabassi, Distt-SAS Nagar, Punjab-140507

Email : info@citrolab.com

Contact us: +91-8528969439, +91-9560228522

Website : www.citrolab.com





CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION

1634

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GST No. 03AANFC5010D1Z5



TEST REPORT

Page 01 of 01

Format No. CITROQST/0716

ISSUED TO

Mr. Anshu Engineer And Teacher
CITRO, Plot No. 1, Gurgaon, Haryana

Report No. CITRO/07/16/2024
 Issue date 10/06/2024
 NABL CLR No. 10/89532/000000/2017
 Reg. No. & Date 24/06/2018 & 10/06/2024
 Customer Ref. & Date NA

Sample Receipt Date: 05-06-2024 Analysis Start Date: 05-06-2024 Analysis Completion Date: 10-06-2024

A. Particulars of the Sample

Name of Sample	STP Outlet Water	Testing as Per	EPA 1900 (P) IN 92 20
Brand Name (If any) Location	STP, Budaun, KVIC Technology 1	Declared Values (If any)	NA
Sample Code No.	NA	Batch No. & D.O.M.	NA
Sample Quantity	2 Lit.	Mode of Packing	Packed in Plastic Bottle
Sample Condition	Good	IO's Signature	NA
Discipline	Chemical	Group	Pollution & Environment
Any Other Information	Sample collected by client on dated 05-06-2024		

B. Supplementary Information:

Reference Sampling Procedure	NA
Reference Documents for the Measurements Taken and Results Derived Like	NA
Reference Pictures/Photographs (if Appropriate to the Test Report (if any))	NA
Reference to Exclusions from the Relevant Test Method Work Instructions (if any)	NA

C. Test Results:

Test Parameters	Test Method	Standards	Test Result
pH Value	IS: 3025 (P-11)	6.50-8.00	7.4
Chemical Oxygen Demand (mg/l)	IS: 3025 (P-58)	100 max	50
Biological Oxygen Demand (mg/l) at 20°C (mg/l)	IS: 3025 (P-44)	20 max	10
Total Suspended Solids (mg/l)	IS: 3025 (P-17)	10 max	0

D. Remarks: NA. Not Testable. * Sample not drawn by lab.



Signature of Client
 Date: 10/06/2024

Signature of Analyst
 Date: 10/06/2024

Disclaimer: The results are valid only for the sample tested and the test method used. The results are not valid for any other sample or test method. The results are not valid for any other purpose. The results are not valid for any other use. The results are not valid for any other reason.

Address Village Jawaharpur, opposite to Ind Swift Factory,
Derabassi Dist SAS Nagar Punjab 140507

Email info@citraolab.com

Contact us +91-8528969439, +91-9060228522

Website www.citraolab.com





CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION

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GST No. 03AANFC5010D1Z5



TEST REPORT

Page 01 of 01

Format No. CITRO/ISO/0716

ISSUED TO:
M/s Brightway Engineers And Traders
697, sector 43-a, Chandigarh, 160036

Report No. _____
Issue date _____
Reg. No. & Date _____
Customer Ref. & Date _____

Sample Receipt Date: 05-06-2024 Analysis Start Date: 05-06-2024 Analyt. _____

A. Particulars of the Sample

Name of Sample	STP Outlet Water	Testing as Per
Brand Name (If any) / Location	STP Brightway (MIBBR Technology)	Declared Values (If any)
Sample Code No.	NA	Batch No. & D.O.M.
Sample Quantity	2 Ltr.	Mode of Packing
Sample Condition	Good	IO's Signature
Discipline	Chemical	Group
Any Other Information	Sample Collected by client on dated 03-06-2024	

NA
NA
Packed in Plastic Bottle
NA
Pollution & Environment

B. Supplementary Information:

- Reference to Sampling Procedure
- Supporting Documents for the Measurements Taken and Results Derived Like Graphs, Tables, Sketches, Photographs as Appropriate to the Test Report (if any)
- Additions, Deviations, or Exclusions from the Relevant Test Method Work Instruction

NA
NA
NA

C. Test Results:

S. No.	Test Parameters	Test Method	* Standard	Test Result
1	Fecal Coliform MPN /100 ml	IS:1622:1981	1000 MPN	280

D. Remarks: NA - Not Applicable, * Party Specified, Sample not drawn by lab

Chandrar Bhatnagar
(Section Incharge)
(Reviewed By)



10-06-2024

Manav Goyal
Technical Head
(Authorized Signatory)
10-06-2024

Disclaimer:
1. Test results are related only to the item/sample tested, total liability of this lab is limited.
2. Test report as full or partial shall not be used for promotional or publicity purpose.
3. Sample stored after analysis as per Quality System Procedure.
4. If sample received, the results apply to the sample as received.

Address Village Jawaharpur, opposite to Ind Swift Factory,
Derabassi, Distt-SAS Nagar, Punjab-140507

Email info@citrolab.com

Contact us +91-8528969439, +91-9560228522

Website www.citrolab.com



PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



1. Laboratory Sample No. E-397-398/110 Lab. Monitoring/2024-25
 2. Name of Industry STP Sardulgarh, WSP
 3. Name of Sample collecting Officer Er. Harsharan Singh, AEE
 4. Designation of the officer authorizing Test Environmental Engineer, Regional Office, Bathinda
 5. Type of Sample Grab
 6. Date & Time of Sample collection 21.05.2024
 7. Date & Time of Sample receipt in Lab. 22.05.2024
 8. Period of Analysis 22.05.2024 to 27.05.2024
 9. Test Methods As per relevant parts of IS:3025/IS:10112 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.3	7.5	6.5-9.0
2	Total Suspended Solids mg/l	117	25	-
3	Bio-chemical Oxygen Demand mg/l	110	21	30
4	Faecal Coli form MPN/100ml	1,20,000	910	< 1000

Remarks: The prescribed standards are as per notification no. 155 dt 25.3.15. However if any stringer/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

M.P.
Scientific Officer
21/5/24

Dr.

Enclst. No:

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office- Bathinda.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Bathinda

Kings
Asst. Scientific Officer
28/5/24

Law
28/5/24



1637

CENTRE FOR INDUSTRIAL TESTING AND RESEARCH ORGANIZATION

Registered with Ministry of MSME, Govt. of India

(An ISO: 9001:2015 Certified Company)

GST No. 03AANFC5010D1Z5



TEST REPORT

Page 01 of 01

Format No. : CITRO/QSF/0716

ISSUED TO: M & Punjab Water Supply And Sewerage Board, Sub Division Budhlada, Distt. Mansa, Punjab.

Table with 2 columns: Field (Report No., Issue date, NABL ULR No., Reg. No. & Date, Customer Ref. & Date) and Value.

Sample Receipt Date: 06-06-2024, Analysis Start Date: 06-06-2024, Analysis Completion Date: 10-06-2024

A. Particulars of the Sample

Table with 4 columns: Name of Sample, Brand Name (If any) Location, Sample Code No., Sample Quantity, Sample Condition, Discipline, Any Other Information, Testing as Per, Declared Values (If any), Batch No. & D.O.M., Mode of Packing, IO's Signature, Group.

B. Supplementary Information:

Table with 2 columns: Question (Reference to Sampling Procedure, Supporting Documents, Addition to Deviations) and Answer (NA).

C. Test Results:

Table with 5 columns: S. No., Test Parameters, Test Method, Standards, Test Result.

D. Remarks: N/A Not Applicable. * Party Specified. Sample not drawn by lab.

Signature: 10-06-2024, Name: Hhardway, Designation: Section Incharge, Reviewed By.

Stamp: Centre for Industrial Testing & Research Organization, Mansa, Punjab. Signature: Sunil Goyal, Date: 10-06-2024, Title: (Reviewed By).

Signature: 10-06-2024, Name: Gaurav Goyal, Designation: Technical Head, Title: (Authorized Signatory).

- 1. Test results are related only to the test sample tested. Total liability of this lab is limited to increased amount only.
2. Test report in full or parts shall not be used for promotional or publicity purpose.
3. Sample stored after analysis as per standard. System Discharge.
4. If sample received, the results apply to the sample as received.

Address: Village-lawaharpur, opposite to Ind Swift Factory, Derubassi, Distt-SAS Nagar, Punjab-140507
Email: info@citrolab.com
Contact us: +91-8528969439, +91-9560228522
Website: www.citrolab.com



PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAYAN
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



- | | |
|--|--|
| 1. Laboratory Sample No | E-193-194/H.O.Lab. Monitoring/2024-25 |
| 2. Name of Industry | STP Moga 27 MLD |
| 3. Name of Sample collecting Officer | Er. Hardas Singh Sran, AEE |
| 4. Designation of the officer authorizing Test | Environmental Engineer, Regional Office, Patiala |
| 5. Type of Sample | Grab |
| 6. Date & Time of Sample collection | 02.05.2024 |
| 7. Date & Time of Sample receipt in Lab. | 03.05.2024 |
| 8. Period of Analysis | 03.05.2024 to 08.05.2024 |
| 9. Test Methods | As per relevant parts of IS:3025/IS:1622 & Methods of APHA |

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.2	7.5	6.5-9.0
2	Total Suspended Solids mg/l	94	17	<100
3	Chemical Oxygen Demand mg/l	248	48	-
4	Bio-chemical Oxygen Demand mg/l	80	10	30
5	Total Coliform MPN/100ml	-	2600	-
6	Faecal Coliform MPN/100ml	-	610	<1000

Remarks: The prescribed standards are as per notification no 185 dt 28.3.19. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

[Signature]
Scientific Officer

Dt. 13/5/24

Endst. No: 11836-38

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana.
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office- Bathinda.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Patiala.

[Signature]
Asst. Scientific Officer

[Handwritten Signature]
SA/AEE.../JEE...
ਨਵੀਂ ਡਾਕ
ਦਿਨ ਦਿਨੀ



[Handwritten Signature]
13/5/24

REGIONAL WATER TESTING LAB, AMRITSAR
 New Golden Avenue, Opposite Dhobi Ghat, Near Jaura Phatak, Amritsar
 rwtlasr1@gmail.com

ULR-
 Id No- RWTL/

Dated-2024-05-15

TEST REPORT

Sr No.	Group	Sample Tested in Group (# / #)
1	Residues in water	
2	Water	

Sample Registration No.- RWTL/ASR
 Sample Code Given by Customer-F000817

Issued to:-	Punjab Water Supply and Sewerage Board, Chandigarh
-------------	--

SAMPLE PARTICULARS

Ref. Letter No.	755
Date of Receipt	10/4/2024
Sample code given by customer	F000817 -- Dharamkot
Name/Nature of Sample	UNSEALED
Condition of the Sample	
Qty/Pkg	1000 ML/HDPE Bottle
Sampling Method	Not in scope of RWTL
Test Start Date	12/4/2024
Test Completion Date	16/4/2024

Mr. Pardeep Kumar
 Quality Manager
 Authorized Signatory
 For Regional Water Testing Lab, Amritsar.

Note:
 The enclosed results pertain only to the sample tested.
 The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.
 This report cannot be re-produced, except when in full, without the written permission from the Head, DWSS.

ULR-
 Id No- RWTL/

Dated-2024-05-15

**Test Results
 Waste Water Testing**

Sr No.	Parameter	Result	Standard/Specification/Method Followed
1	^{pH} [6.5-8.5]	7.38	IS : 3025 (Part-11)
2	^{TSS} [100 mg/l]		
3	^{BOD} [30 mg/l]	28.9	APHA 5210
4	^{Fecal Coliform} [1000 MPN]	28	
5	^{COD}	234	APHA 5210

Authorized Signatory

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN, NABHA ROAD, PATIALA WATER ANALYSIS REPORT



(170) wds

- 1. Laboratory Sample No.
2. Name of Industry
3. Name of Sample collecting Officer
4. Designation of authorizing Test
5. Type of Sample
6. Date & Time of Sample collection
7. Date of Sample receipt in Lab.
8. Period of Analysis
9. Test Methods

E-164-165/110.Lab. Monitoring/2024-25
STP 45 MLD Sector-83, Mohali
Er. Vipin Kumar, AEE & Er. Parvinder Singh
Environmental Engineer, Regional Office
Grab
02.05.2024
03.05.2024
05.05.2024 to 08.05.2024
As per relevant parts of IS: 3025 (19) (2022) &
Methods of APHA

Results

Table with 4 columns: Sr. No., Parameters, Inlet of STP, Outlet of STP, Prescribed Standard. Rows include pH, Total Suspended Solids mg/l, Bio-chemical Oxygen Demand mg/l, and Faecal Coliform MPN/100ml.

Remarks: The prescribed standards are as per notification no 185 of 19.3.19. However, if any stringent other standards are notified by the Board, the same shall prevail.

Stamp area containing text in Gurmukhi script, 'End of Report', and a signature. Includes a box with '3556' and 'DL'.

Endst. No: 119/6-1P

A copy of the above is forwarded to the:-

- 1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Mohali.

Signature and stamp of Asst. Secy. Includes handwritten date 13/5/24.

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024			Compliant/ Non-compliant w.r.t.		Fall/Pass
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards		
Zirakpur	Mohal	PWSSB	17	SBR	10	1000	30	1000	48	2600	NC	NC	Fail	

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. :	TC118182400005414F	Test Report No. :	NEFLD30624NA046
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No. 334 Dt. 03/06/2024
Address	PWSSB, Sub Division, Kharar, Punjab	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1285(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 11.0 MLO Kharar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.01	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.4	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.9	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 5B)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	920	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Nakesh Chand Agarwal
Authorized Signatory Chemical & Biological

Waste Water- EI-1MI-7.8.2-WW

ECO BHAWAN

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

☎ 0172-4616225 ☎ 9781303108 ☎ contact@ecoparyavaran.org | md@ecoparyavaran.org ☎ www.ecoparyavaran.org

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CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards			Current Discharge Standards			Results for the month of May, 2024			Compliant/ Non-compliant w.r.t.		Fail/Pass
					BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards				
													BOD (mg/l)	FC (MPN/ 100ml)	FC (MPN/ 100ml)	
Kurail	Mohali	GMADA	5	SBR	-	-	30	1000	10	610	C	C	C	Pass		



TEST REPORT

ISSUED TO: **MEN EXECUTIVE OFFICER**
DERABASI

Report No.	CEFT/2406/305	Report Date	19.06.2024
Your Ref. No.	Nil	Type of sample	Waste Water
Sample Code given by customer	Nil	Quantity	2 LITRE
		Date of sampling	12.06.2024
Sampling Location	4 NE D STP Derabassi	Date of sample receipt	13.06.2024
Sample Collected By	Lab Person	Sample I.D.	CEFT/2406/305
Sampling procedure	As per SOP	Date of test	13.06.2024-19.06.2024

S. NO.	PARAMETERS	TEST RESULTS	Standards	TEST METHODS
1	pH	7.25	7.0-7.5	IS 3025 (Part-11)
2	Total Suspended Solids (mg/l)	8	10	IS 3025 (Part-13)
3	Bio-chemical Oxygen Demand at 27°C 3 days (mg/l)	7.6	10	IS 3025 (Part-14)
4	Chemical Oxygen Demand (mg/l)	24	50	IS 3025 (part-58)
5	Fecal Coliform <100 MPN	920	<1000	APHA 2477 (d) (m)

Page No. 1/1

End of Report

Branch Office: 111A, Sunder Enclave, First Floor, Near: Saa Shivala Homes, Opposite: Radha Swami Satyom Bhawan, Kharar, Mohali, Punjab-140701



Authorized Signatory

- Note:
1. The test results are related to the sample/ tested as identified.
 2. The sample will be discarded after a retention time of 7 days unless otherwise specified.
 3. Any Discrepancy found in the test report may be communicated.
 4. This report shall not be reproduced, cannot be used as evidence in the court of law and should not be used in any advertising media without written permission of CEO, CEFT Pvt. Ltd.
 5. The Court jurisdiction will be Delhi.
 6. Customer complaint register is available at the laboratory.

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No. :	TC118182400006080f	Test Report No. :	REFL200624REG01
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	NA Dt. : 20/06/2024
Address	PWSSB, Sub Division, Zirakpur (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	20/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	20/06/2024 To 25/06/2024
Testing Location	Permanent Facility	Date of Reporting	25/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles with odour.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Bottle Marked STP Inlet 1.5 MLD taru		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	6.70	0.5	IS 3025 (Part 1)
2	Biochemical Oxygen Demand (BOD)	mg/l	170	2	IS 3025 (Part 1)
3	Total Suspended Solids	mg/l	392	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	512	4	IS 3025 (Part 18)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	1.7×10^4	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page 1)

End of Report

Mr. Mohesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 1/1

Waste Water- (L-FMT)-7.8.2-WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

9815111025

9781303109

contact@ecoparyavaran.org

info@ecoparyavaran.org

www.ecoparyavaran.org



TEST REPORT



URL No.:	TC1181824000054134	Test Report No.:	NEFL0306240005
Type of Sample:	Sewage	Work Order No. & Date:	Letter Order No. 320 Dt. 03/06/2024
Customer Name:	Sub-Divisional Engineer	Customer reference No. (if any):	NA
Address:	PWSSB, Sub-Division, Ziraipur (Punjab)	Date of Sampling:	04/06/2024
Sampling Protocol:	NA	Date of Sample Receipt:	05/06/2024
Sample Collection Mode:	Sample Provided by Customer	Period of Analysis:	05/06/2024 to 06/06/2024
Testing Location:	Watershed Facility	Date of Reporting:	07/06/2024
Sampling Location:	NA		
Sample Description:	Liquid with suspended & settleable particles		
Standard/Specification:	STP Other than metro cities: G.S.R. 1265d) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.:	5 litre Plastic Can Marked STP Outlet 4 @ Watershed Ziraipur		

RESULTS

1. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	BOD ₅ @ 20°C		7.64	15-75.0	0.5	IS 1579 Part 113
2	Chemical Oxygen Demand (COD)	mg/l	15	30	2	IS 1579 Part 140
3	Total Suspended Solids	mg/l	28	100	2	IS 1579 Part 140
4	Chemical Oxygen Demand (Cr ₂ O ₇)	mg/l	84		2	IS 1579 Part 140

2. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Total Coliforms (Coliforms)	MPPN/100ml	350	<1000		APHA 2nd Ed Ed 92214

Remarks: NA

OTHER INFORMATION

Abbreviation: ULB: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions: Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Sr. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards		Current Discharge Standards		Results for the month of May, 2024			Compliant/ Non compliant w.r.t.	Fail/Pass
								BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	FC (MPN/ 100ml)		
1	Sutlej	Muktsar	Malout-1	Bathinda	PWSSB	3	WSP	30		30	1000	58	17000	NC	NC	Fail

CR-3: Monitoring of STPs by PPCB for the Month of May, 2024

Sr. No.	River	District	Name of STP/ Town	Concerned Regional Office	Concerned Deptt.	Cap. (MLD)	Tech.	Design Standards			Current discharge standards			Results for the month of May, 2024			Compliant/ Non- compliant w.r.t.		Fail/Pass
								BOD (mg/l)	FC (MPN/ 100ml)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	FC (MPN/ 100ml)	BOD (mg/l)	FC (MPN/ 100ml)	FC (MPN/ 100ml)	Design Standards	Current Discharge Standards	
1	Sutlej	Muktsar	Gidderbaha	Bathinda	PWS&B	7	MBBR				30	1000		33	3200		NC	NC	Fail



Eco Paryavaran Laboratories & Consultants Pvt. Ltd

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd)

TEST REPORT



ULR No. :	TC118182400005647F	Test Report No.	NFFE100624NA037
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Telephonic Order DT 07.06.2024
Address	Punjab Water Supply & Sub Division Nawanshahr, 6 MLD STP SBR Nawanshahr	Customer reference No. (If any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	10/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	10/06/2024 To 13/06/2024
Testing Location	Permanent Facility	Date of Reporting	13/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	2 litre Plastic & 500ml Glass bottle Marked STP Outlet		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.49	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.1	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	170	<1000	-	IS 3025 (Part 21)

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



1. Laboratory Sample No.
2. Name of Industry
3. Name of Sample collecting Officer
4. Designation of the officer authorizing Test
5. Type of Sample
6. Date & Time of Sample collection
7. Date & Time of Sample receipt in Lab.
8. Period of Analysis
9. Test Methods

E-233-234/11.O.Lab. Monitoring/2024-25
STP 4 MED, Balachaur

Er. Ravi Kumar, JEE
Environmental Engineer, Regional Office,
Roopnagar.

Grab

08.05.2024

08.05.2024

08.05.2024 to 17.05.2024

As per relevant parts of IS:3025/IS:1622 &
Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Standard
1	pH	7.4	7.3	6.5-9.0
2	Total Suspended Solids mg/l	78	10	< 100
3	Bio-chemical Oxygen Demand mg/l	65	8	30
4	Fecal Coliform MPN/100ml	-	400	<1000

Remarks: The prescribed standards are as per notification no 185 dt 28.3.19. However, if any stringer/other standards have been imposed by the Board, these shall prevail

---End of Report---

Scientific Officer

20/5/24

Di. 20/5/24

Encl. No: 12349-51

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-1, Patiala.
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Roopnagar.

Asst. Scientific Officer

20/5/24

REGIONAL WATER TESTING LAB AMRITSAR
 New Golden Avenue, Opposite Dhobi Ghat, Amritsar
 rwtlasr1@gmail.com

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U.L.R-
 Id No- RWTL/

Dated-2024-05-13

TEST REPORT

Sr No.	Group	Sample Tested in Group (Q / B)
1	Residues in water	
2	Water	

Sample Registration No.- RWTL/Asr
 Sample Code Given by Customer-F000783

Issued to:-	Punjab Water Supply and Sewerage Board, Chandigarh
-------------	--

SAMPLE PARTICULARS

ReL Letter No.	730
Date of Receipt	6/3/2024
Sample code given by customer	F000783 - Banga
Name/Nature of Sample	Unsealed
Condition of the Sample	
Qty/Pkg	1000 ML/HDPE bottle
Sampling Method	Not in scope of RWTL
Test Start Date	6/3/2024
Test Completion Date	11/3/2024

Mr. Pardeep Kumar
 Quality Manager
 Authorized Signatory
 For Regional Water Testing Lab, Amritsar.

Note:

- The enclosed results pertain only to the sample tested.
- The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.
- This report cannot be re-produced, except when in full, without the written permission from the Head, DWSS.

U.L.R-
 Id No- RWTL/

Dated-2024-05-13

Test Results
 Waste Water Testing

Sr No.	Parameter	Result	Standard/Specification/Method Followed
1	^o pH[6.5-8.5]	7.02	IS : 3025 (Part-11)
2	^o TSS [100 mg/l]		
3	^o BOD [30 mg/l]	20.0	APHA 5210
4	^o Fecal Coliform [1000 MPN]	15	
5	^o COD	160	APHA 5210

Authorized Signatory

1653

134
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ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਰੋਕਥਾਮ ਬੋਰਡ

ਜ਼ੋਨਲ ਪ੍ਰਯੋਗਸ਼ਾਲਾ, ਫੋਕਲ ਪੁਆਇੰਟ, ਪੀ:ਐਸ:ਆਈ:ਈ:ਸੀ ਵਾਟਰ ਟੈਕ, ਜਲੰਧਰ
 ਫੋਨ ਨੰਬਰ : 0181-2600301 www.ppcb.gov.in ਈਮੇਲ : zofabjalandhar@gmail.com

AIR/WATER SAMPLE ANALYSIS REPORT

1	Laboratory Sample No	Lab/Water / 824 /2024
2	Name of industry	STP Pathankot (27 MLD)
3	Name of Sample Collecting Officer	Er. Sukhwant Singh (AEE)
4	Type of Sample	Grab Monitoring
5	Date of Sample Collection	20/03/2024
6	Date of Sample Receipt in Lab	21/03/2024
7	Point of sample collection	As per data sheet

S. No	PARAMETERS	RESULTS	
			Outlet
1	pH		6.6
2	BOD (mg/l)		12
3	TSS (mg/l)		15
4	F. Coli (MPN/100 ml)		470

MS al 20/3/24
 Analyzed by: -

[Signature]
 Scientific Officer
 Zonal Lab, Jalandhar

Endst. No. 1099-01

Dated: 1/4/24

A copy of the above is forwarded to the following for information & necessary action along with data sheet to:-

1. The Chief Environmental Engineer (Water), Punjab Pollution Control Board, Ludhiana
2. The Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Amritsar
3. The Environmental Engineer, Regional Office, Batala along with extra copy of analysis report and data sheet for further transmission to the industry as per rules.

MS al 20/3/24
 Asstt Scientific Officer
 Zonal Lab, Jalandhar

137
EHE/2024/4551

1654

**PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT**



1. Laboratory Sample No.
2. Name of Industry
3. Name of Sample collecting Officer
4. Designation of authorizing Test
5. Type of Sample
6. Date & Time of Sample collection
7. Date & Time of Sample receipt in Lab.
8. Period of Analysis
9. Test Methods

E-118-119/H.O.Lab, Monitoring/2024-25
STP Shermajra 46 MLD

Er. Gurkaran Singh, AEE & Er. Dharam Soni, AEE
Environmental Engineer, Regional Office, Patiala
Grab

16.04.2024

17.04.2024

17.04.2024 to 25.04.2024

As per relevant parts of IS:3025/IS:1622 &
Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.5	7.7	6.5-9.0
2	Total Suspended Solids mg/l	119	9	< 100
3	Total Dissolved Solids mg/l	1198	702	-
4	Bio-chemical Oxygen Demand mg/l	98	BDL	30
5	Feecal Coliform MPN/100ml	94,000	BDL	< 1000

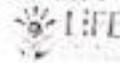
Remarks: The prescribed standards are as per notification no 158 dt 28.3.19. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

(Signature)
Scientific Officer

39

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN
 NABHA ROAD, PATIALA
 WATER ANALYSIS REPORT



- 1. Laboratory Sample No. E-129-121/11/1 Lab. Mohanpuram 2024
- 2. Name of Industry **STP Shermaja IS MID**
- 3. Name of Sample collecting Officer Engineering Single, S.E. & Ee. D.D. Mohanpuram
- 4. Designation of authorizing Test Environmental Engineer, Regional Office Patiala
- 5. Type of Sample Grab
- 6. Date & Time of Sample collection 16.04.2024
- 7. Date & Time of Sample receipt in Lab 17.04.2024
- 8. Period of Analysis
- 9. Test Methods

Results

Sr. No.	Parameters	Inlet of SIP	Outlet of SIP	Prescribed Standard
1	pH	7.4	7.4	6.5-8.5
2	Total Suspended Solids mg/l	124	11	< 500
3	Total Dissolved Solids mg/l	2329	108	< 500
4	Dissolved Oxygen mg/l	100	7	> 2
5	Biological Oxygen Demand (BOD) mg/l	1.13100	180	< 1000

—End of Report—

Lab No: 10800-02

Scientific Officer
 26/4/24

Copy of the report to be sent to:-
 1. The Chief Executive Officer, Punjab Pollution Control Board, Patiala
 2. The Regional Engineer, Punjab Pollution Control Board, Patiala
 3. The District Engineer, Punjab Pollution Control Board, Patiala

Scientific Officer
 26/4/24

**PUNJAB POLLUTION CONTROL BOARD VAIVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT**



E-122-123/H.O.Lab. Monitoring/2024-25

STP Ablowal 10 MLD

Er. Gurkaran Singh, AEE & Er. Dharam Soni, AEE
Environmental Engineer, Regional Office, Patiala
Grab

1. Laboratory Sample No.
2. Name of Industry
3. Name of Sample collecting Officer
4. Designation of authorizing Test
5. Type of Sample
6. Date & Time of Sample collection
7. Date & Time of Sample receipt in Lab.
8. Period of Analysis
9. Test Methods

16.04.2024

17.04.2024

17.04.2024 to 25.04.2024

As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.3	7.4	6.5-9.0
2	Total Suspended Solids mg/l	116	10	< 100
3	Total Dissolved Solids mg/l	1698	715	-
4	Bio-chemical Oxygen Demand mg/l	97	7	30
5	Feecal Coliform MPN/100ml	1,10,000	610	< 1000

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

(Signature)
Scientific Officer



TEST REPORT



ULR No. : TC1181824000005364F		Test Report No. : NEFL030624NA015	
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Telephonic Order DT:01/06/2024
Address	PWSSB Division, Rajpura, Punjab	Customer reference No. (If any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/05/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Bottle Marked STP Outlet after CCT 30 MLD Rajpura		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Biochemical Oxygen Demand (BOD)	mg/l	20	30	2	IS 3025 (Part 44)
2	Total Suspended Solids	mg/l	19	<100	5	IS 3025 (Part 17)
3	Chemical Oxygen Demand (COD)	mg/l	56	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	693	<1000	-	APHA 23rd Ed 9221 E

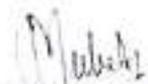
Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report


 Mr. Mukesh Chand Agarwal
 Authorized Signatory-Chemical & Biological



TEST REPORT



ULR No. :	TC118183240030005382F	Test Report No.	07110126A040113
Type of Sample : Sewage		Work Order No. & Date	1908050001070105 2024
Customer Name	Sud Divisioan Engineer	Customer reference No. (if any)	
Address	Phase 5B Divisioan, Rajaura, Punjab	Date of Sampling	01/06/2024
Sampling Protocol	NA	Date of Sample Receipt	01/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	04/06/2024 to 07/06/2024
Testing Location	Purification Facility	Date of Reporting	01/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	SIP-Dishar (Sanitizers Check)-G.S.R. 1263/21 (upto 13 Oct 2017)		
Package, Quantity, Spill & Oils	3 litre Plastic bottles Marked SIP-Dishar after CCT 7 M.D. Pajaura		

RESULTS

1658

Physical Testing

Pollution & Environmental (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Biochemical Oxygen Demand (BOD ₅)	mg/l	25	30	2	IS 1103 (Part 44)
2	Total Suspended Solids	mg/l	17	<100	5	IS 1103 (Part 37)
3	Chemical Oxygen Demand (COD)	mg/l	68	-	4	IS 370 (Open 58)

I. Biological Testing

2. Volatile & Intumescent (Sewage)

S.No.	Test Parameter	unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Fecal Coliforms)	MPN/100ml	200	<1000	-	MPN (5) ID 5023 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, ADL: Allow Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

11.05.2024
 11.05.2024
 11.05.2024
 11.05.2024

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
 NABHA ROAD, PATIALA
 WATER ANALYSIS REPORT

1. Laboratory Sample No. E-385-386/H.O.Lab, Monitoring/2024-25
2. Name of Industry **STP Samana**
3. Name of Sample collecting Officer Er. Surinderjeet Singh, AEE
4. Designation of authorizing Test Environmental Engineer, Regional Office, Patiala
5. Type of Sample Grab
6. Date & Time of Sample collection 21.05.2024
7. Date & Time of Sample receipt in Lab. 21.05.2024
8. Period of Analysis 21.05.2024 to 27.05.2024
9. Test Methods As per relevant parts of IS:3025/IS:1622 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	7.7	7.9	6.5-9.0
2	Total Suspended Solids mg/l	75	9	< 100
3	Total Dissolved Solids mg/l	915	556	-
4	Bio-chemical Oxygen Demand mg/l	72	7	20
5	Faecal Coliform MPN/100ml	84,000	200	< 1000

Remarks: The prescribed standards are as per notification no 438 dt 28.3.15. However, if any stringent other standards have been imposed by the Board, the same shall prevail.

---End of Report---

Labst. No: 13410-12

Scientific Officer
 Dt. 3/6/24
 28/5/24

Copy of the above is forwarded to the:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-1, Patiala
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Patiala.

Asstt. Scientific Officer
 28/5/24
 20/5/24

141 82

सं.ब.दि:- 1/2/3/S.A.

राष्ट्रीय मानक 30/1/24

30/01/24 22/5/24

1767

PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT



E-126-127/H.O.Lab. Monitoring/2024-25
STP Patran 4 MLD

Er. Surinderjeet Singh, AEE & Er. Dharam Soni, AEE
Environmental Engineer, Regional Office, Patiala

Grab
16.04.2024
17.04.2024

RIK

17.04.2024 to 25.04.2024
As per relevant parts of IS:3025/IS:1622 &
Methods of APHA

1. Laboratory Sample No.
2. Name of Industry
3. Name of Sample collecting Officer
4. Designation of authorizing Test
5. Type of Sample
6. Date & Time of Sample collection
7. Date & Time of Sample receipt in Lab.
8. Period of Analysis
9. Test Methods

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH			
2	Total Suspended Solids mg/l	7.2	7.5	6.5-9.0
3	Total Dissolved Solids mg/l	149	10	< 100
4	Bio-chemical Oxygen Demand mg/l	1824	715	-
5	Feacal Coliform MPN/100ml	120	9	30
		1,40,000	780	< 1000

Remark: The prescribed standards are as per notification no 188 dt 28.3.19. However, if any stringent/other standards have been imposed by the Board, the same shall prevail.

---End of Report---

Endst. No: 10784-86

Scientific Officer
25/4/24

DI. 26/4/24

A copy of the above is forwarded to the:-

1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-1, Patiala
3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Patiala.

Asstt. Scientific Officer
25/4/24



GLOBAL TESTING & RESEARCH CENTRE

Plot No. 120 (10 Maria), Industrial Area Phase-II, Chandigarh - 160 002

Tel.: 0172-5014444, 9855611075, 9357007532

E-mail : globaltestinglab@gmail.com, globaltesting@yahooinc.com



ISO 9001:2015

(NABL Approved Testing Laboratory)

TEST REPORT

Issue To :

M/s 21st Century Enviro Engineers Pvt Ltd
8 MLD STP Plant Bakshiwala Road

Sunam, Distt, Sangrur (Punjab)

Analytical Report No. : GTRC/1600120/003N

Dispatch No. : GTRC/DI/4083/24-25

Dispatch Date:06.06.2024

Sample Particulars :

Type /Name of sample : Grab/STP Inlet & STP Outlet

Sampling Date : 03.06.2024

Period of Analysis : 03.06.2024 to 06.06.2024

Receipt Date : 03.06.2024

TEST RESULTS

Sl	Parameters	Unit	Results		Test Method
			STP Inlet	STP Outlet	
1	pH	--	7.5	7.6	IS:3025(P-11)
2	Total Suspended Solids	mg/l	228	19	IS:3025(P-17)
3	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	mg/l	118	8	IS:3025(P-44)
4	Chemical Oxygen Demand (COD)	mg/l	407	29	IS:3025(P-58)
5	Fecal Coliform Count	MPN/100 ml	1x10 ⁶	190	APHA

*** End of report ***

Gaim
Authorized Signatory

NOTE: 1. The results refer only to tested sample and applicable parameters.

2. Sample was not drawn by the GTRC.

3. This report is not to be reproduced, except in full and not use for promotional publicity or legal purpose without the prior permission of the GTRC.



1662

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

**TEST REPORT**

ULR No. : TC118182400005428F		Test Report No. : NEFL040624NA004	
Type of Sample : Sewage			
Customer Name	Executive Engineer	Work Order No. & Date	Telephonic Order DT: 03.06.2024
Address	PWSSB Division, Sangrur (Punjab)	Customer reference No. (If any)	
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	04/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	04/05/2024 To 08/06/2024
Testing Location	Permanent Facility	Date of Reporting	04/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 19 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet- 4MLD Lehragaga		

RESULTS**I. Chemical Testing****1. Pollution & Environment (Sewage)**

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	8.04	6.5-9.0	0.5	IS 10456 Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	8.6	30	2	IS 10456 Part 14)
3	Total Suspended Solids	mg/l	7.8	<100	5	IS 10456 Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 10456 Part 58)

II. Biological Testing**2. Pollution & Environment (Sewage)**

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	920	<1000	-	APHA 2012 Ed. 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****Mr. Manish Thand Agarwal
Authorized Signatory - Chemical & Biological

Waste Water- EL-FMT-7.8.2-WW

Page No: 1/1

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Multa (Punjab) 160071

☎ 0172-4616225 ☎ 9781303109 📧 contact@ecoparyavaran.org | 📧 md@ecoparyavaran.org 🌐 www.ecoparyavaran.org



GLOBAL TESTING & RESEARCH CENTRE

Plot No. 120 (10 Marla), Industrial Area Phase-II, Chandigarh - 160 002

Tel.: 0172-5014444, 9855611075, 9357007532

E-mail : globaltestinglab@gmail.com, globaltesting@yahoo.com



(NABL Approved Testing Laboratory)

TEST REPORT

Issue To : M/s 21 st Century Enviro Engineers Pvt Ltd 4 MLD STP Plant Bhawanigarh Dist.- Sangrur(Punjab)	Analytical Report No. : GTRC/160230/003N Dispatch No. : GTRC/DI-4081 /24-25 Dispatch Date: 06.06.2024
Sample Particulars : Type /Name of sample : Grab/STP Inlet & STP Outlet Period of Analysis : 03.06.2024 to 06.06.2024	Sampling Date : 03.06.2024 Receipt Date : 03.06.2024

TEST RESULTS

Sl	Parameters	Unit	Results		Test Method
			STP Inlet	STP Outlet	
1	pH	-	7.4	7.5	IS:3025(P-11)
2	Biochemical Oxygen Demand (BOD) (3 days at 27°C)	mg/l	117	7	IS:3025(P-44)
3	Chemical Oxygen Demand (COD)	mg/l	410	31	IS:3025(P-58)
4	Total Suspended Solids	mg/l	225	8	IS:3025(P-17)
5	Fecal Coliform Count	MPN/100ml	1x10 ⁶	175	APHA

*** End of report ***

Gajraj
Authorized Signatory

- NOTE: 1. The results refer only to tested sample and applicable parameters.
2. Sample was not drawn by the GTRC.
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1664

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT

ULR No. : TC11B182400005430F		Test Report No. : NEFL040624NA006	
Type of Sample : Sewage			
Customer Name	Executive Engineer	Work Order No. & Date	Telephonic Order DT:03.06.2024
Address	PWSSB Division, Sangrur (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	04/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	04/06/2024 To 05/06/2024
Testing Location	Permanent Facility	Date of Reporting	06/06/24
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet- 3MLD Moonak		

RESULTS**I. Chemical Testing****1. Pollution & Environment (Sewage)**

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.69	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	9.1	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	8.7	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	24	-	4	IS 3025 (Part 50)

II. Biological Testing**2. Pollution & Environment (Sewage)**

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	693	<1000	-	APHA 1815 (1921) F

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

****End of Report****

M. S. Chahal
 M. S. Chahal
 Authorized Signatory - Chemical & Biological

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. :	TC1181824000003857f	Test Report No. :	REFE230424RE002
Type of Sample :	Sewage		
Customer Name	3 MLD STP at Dirba	Work Order No. & Date	Agg. No. 24 of 2021-2022
Address	Distt Sangrur, Punjab	Customer reference No. (if any)	NA
		Date of Sampling	23/04/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	23/04/2024
Sample Collection Mode	Provided by Mr. Anil*	Period of Analysis	23/04/2024 To 29/04/2024
Testing Location	Permanent Facility	Date of Reporting	29/04/2024
Sampling Location	STP Inlet		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	PE Bottle- 1 litre, Glass Bottles-2x1litre, Glass Bottle-500ml & Teflon Bottle-1 litre		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	pH @ 25 °C	-	7.09	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	190	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	409	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	464	4	IS 3025 (Part 58)
5	Ammonia as NH ₃ -N	mg/l	8.7	5	IS 3025 (Part 34) Cl 2.5, Titrimetric Method
6	Total Phosphorous as P	mg/l	3.2	0.5	IS 3025 (Part 31)
7	Total Nitrogen	mg/l	24	5	IS 3025 (Part 34)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	1.7 x 10 ⁵	-	APHA 23rd Ed 9211 E

Remarks:

*Employee of Eco Paryavaran Engineers & Consultants Pvt. Ltd., Mohali, (Sister company of Eco Paryavaran Lab.) & trained person for water sampling.

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Signature: *M. Singh*
 Stamp: Eco Paryavaran Laboratories & Consultants Pvt. Ltd., Mohali
 Date: 29/04/2024

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



Order No. :	TC1151874000003858F	Test Report No. :	REFE230424RE003
Type of Sample :	Sewage		
Customer Name	3 MLD STP at Darba	Work Order No. & Date	Agg. No. 14 of 2021-2022
Address	Distt Sangrur, Punjab	Customer reference No. (If any)	NA
		Date of Sampling	23/04/2024
Sampling Protocol	IS 17614 (Part 1), EL-MSP-7.3	Date of Sample Receipt	23/04/2024
Sample Collection Mode	Provided by Mr. Anil*	Period of Analysis	23/04/2024 To 25/04/2024
Testing Location	Permanent Facility	Date of Reporting	29/04/2024
Sampling Location	STP Outlet		
Sample Description	Liquid with slightly suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	PE Bottle- 1 litre, Glass Bottles-2x1litre, Glass Bottle-500ml & Teflon Bottle-1 litre		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.42	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	6.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	10	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	16	-	4	IS 3025 (Part 54)
5	Ammonia as NH ₃ -N	mg/l	BDL	-	5	IS 3025 (Part 34) Cl 2.5, Titrimetric Method
6	Total Phosphorous as P	mg/l	0.68	-	0.5	IS 3025 (Part 31)
7	Total Nitrogen	mg/l	BDL	-	5	IS 3025 (Part 34)

II. Biological Testing

2. Pollution & Environment (Sewage)

S No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	79	<1000	-	APHA 23rd Ed 9221 E



M. Mohd

1667

Eco Paryavaran Laboratories & Consultants Pvt. Ltd

(Formerly known as Eco Lab)

TEST REPORT



ULR No. : TC1181824000005429F		Test Report No. : NEF1040624MA005	
Type of Sample : Sewage			
Customer Name	Executive Engineer	Work Order No. & Date	Telephonic Order DT.03.05.2024
Address	PWSSB Division, Sangrur (Punjab)	Customer reference No. (If any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Received	06/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	04/06/2024 To 08/06/2024
Testing Location	Permanent Facility	Date of Reporting	08/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet- 3MLD Khanauri		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.91	6.5-9.0	0.3	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	7.8	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	9.8	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	20	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	809	<1000	-	APHA 2018 Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Manish Chand Agarwal
Authorized Signatory Chemical & Biological

Page No. 1/1

Waste Water- EL-FMT-7.8.2-WW

ECO BHAWAN

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PUNJAB POLLUTION CONTROL BOARD VATAVARAN BHAVAN,
NABHA ROAD, PATIALA
WATER ANALYSIS REPORT

- 1. Laboratory Sample No. E-34-35/H.O Lab. Monitoring/2024-25
- 2. Name of Industry STP Sri Anandpur Sahib, Rupnagar. (8 MLD)
- 3. Name of Sample collecting Officer Er. Ayush Anguralia, AEE
- 4. Designation of the officer authorizing Test Environmental Engineer, Regional Office, Roopnagar
- 5. Type of Sample Grab
- 6. Date & Time of Sample collection 02.04.2024
- 7. Date & Time of Sample receipt in Lab. 03.04.2024
- 8. Period of Analysis 03.04.2024 to 09.04.2024
- 9. Test Methods As per relevant parts of IS:3025/IS:1632 & Methods of APHA

Results

Sr. No.	Parameters	Inlet of STP	Outlet of STP	Prescribed Standard
1	pH	6.7	7.1	6.5-9.0
2	Total Suspended Solids mg/l	87	12	< 100
3	Bio-chemical Oxygen Demand mg/l	98	11	30
4	Fecal Coliform MPN/100ml	-	610	<1000

Remarks: The prescribed standards are as per notification no 188 dt 28.3.19. However, if any stringent/other standard have been imposed by the Board, the same shall prevail.

--End of Report--

Sri Anandpur Sahib
10/4/24

Dr. 10/4/24

Endst. No: 9542-44

A copy of the above is forwarded to the:-

- 1. The Chief Environmental Engineer, Punjab Pollution Control Board, Ludhiana.
- 2. The Senior Environment Engineer, Punjab Pollution Control Board, Zonal Office-L. Patiala
- 3. The Environment Engineer, Punjab Pollution Control Board, Regional Office, Roopnagar.

Asst. Scientific Officer
10/4/24

Er. Ayush Anguralia
12/3/24

JER-4

ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ, ਖੇਤਰੀ ਦਫਤਰ, ਰੂਪਨਗਰ
ਸ: ਬਾਤਾ: ਇੰਜ. - 1/2/3/ਸੀ. ਮਹਾ./ਜੁਲੀ. ਮਹਾ./ਕਲਕਤ
ਨਵੀਂ ਡਾਕ

ਵਾਤਾਵਰਣ ਇੰਜੀਨੀਅਰ

16/4/24

ਡਾਇਰੀ ਨੰ: 888 ਮਿਤੀ 16/4/24



1669

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000054111	Test Report No. : NEFL03D624NAD03		
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No.124 DT:03.06.2024
Address	PWSSB, Sub Division Roar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet: 1.7 MU Chamaur Sahib Roar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.54	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	22	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	34	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	04	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	920	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Water/Waste: EL-PMT-TA-2-WW

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E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No.	TC118282400005410F	Test Report No.	NEFL030624M042
Type of Sample	Sewage		
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No.124 DT-03.06.2024
Address	PWSSB, Sub Division Ropar (Punjab)	Customer reference No. (if any)	NA
Sampling Protocol	NA	Date of Sampling	-
Sample Collection Mode	Sample Provided by Customer	Date of Sample Receipt	03/06/2024
Testing Location	Permanent Facility	Period of Analysis	03/06/2024 To 07/06/2024
Sampling Location	NA	Date of Reporting	07/06/2024
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 10.0 MLD Bari Haveli Ropar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.39	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	4.8	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	7.9	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	16	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPPN/100ml	540	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 1/1

Waste Water- SI, EMT-7.4.2-WW

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1671

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. :	TC118182400005409F	Test Report No. :	NEFL030624NA041
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No.124 DT:03.06.2024
Address	PWSSB, Suli Division Ropar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(F) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet - 2.5 MLD Rasoolpur Ropar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.29	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	3.9	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	5.3	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	8.0	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	350	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mukesh
Mr. Mukesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Page No. 1/1

Waste Water- EL/EMI-2.&2-WW

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

(Formerly known as Eco Laboratories & Consultants Pvt. Ltd.)

TEST REPORT



ULR No. : TC1181824000005408F		Test Report No. : NEFL030624NAD90	
Type of Sample : Sewage			
Customer Name	Sub-Divisional Engineer	Work Order No. & Date	Letter Order No.124 DT 03.06.2024
Address	PWSSB, Sub Division Ropar (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet - 2.0 MLD Sadhana Ropar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.14	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	4.6	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	6.3	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	12	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	430	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection level, NA: Not Applicable

Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Mulesh Chand Agarwal
Authorized Signatory-Chemical & Biological

Water/Water: EL-FMT-7.8.2-WW

ECO BHAWAN

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Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC1181824000005417F	Test Report No. : NEFL030624NA049		
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No. 211 Dt. 03/06/2024
Address	PWSSB, Sub Division, Nangal (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 8.0 MLD Majowal Road Nangal		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.43	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	20	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	28	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	52	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	430	<1000	-	APHA, 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable
 Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Mukesh Chand Agarwal
 Authorized Signatory-Chemical & Biological

Waste Water-ELFMT-7.8.2-WW

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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1674

Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

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TEST REPORT



ULR No. : TC 1181824000054161	Test Report No. : NEFL030624NAGAR		
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No. J 11 Dt. 03/06/2024
Address	PWSSB, Sub Division, Nangal (Punjab)	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Liquid with suspended & settleable particles.		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 5.0 MLD Nangal		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.61	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	25	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	48	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	72	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	540	<1000	-	APHA 23rd Ed 9221 E

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

M. Kesh Chand Agarwal
Mr. M. Kesh Chand Agarwal
Authorized Signatory Chemical & Biological

Water-Water-11-FMT-28.2-11W

ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

Page No. 1/1

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TEST REPORT



ULR No. : TC118182400005415F		Test Report No. : NEFL030624NA047	
Type of Sample : Sewage			
Customer Name	Sub Divisional Engineer	Work Order No. & Date	Letter Order No. & Dt.:
Address	PWSSB, Sub Division, Kharar, Punjab	Customer reference No. (if any)	NA
		Date of Sampling	-
Sampling Protocol	NA	Date of Sample Receipt	03/06/2024
Sample Collection Mode	Sample Provided by Customer	Period of Analysis	03/06/2024 To 07/06/2024
Testing Location	Permanent Facility	Date of Reporting	07/06/2024
Sampling Location	NA		
Sample Description	Colourless liquid		
Standard/Specification	STP Other than metro cities: G.S.R. 1265(E) dated 13 Oct 2017		
Packing, Markings, Seal & Qty.	5 litre Plastic Can Marked STP Outlet 5.5 MLD Morinda Kharar		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	pH @ 25 °C	-	7.18	6.5-9.0	0.5	IS 3025 (Part 11)
2	Biochemical Oxygen Demand (BOD)	mg/l	7.4	30	2	IS 3025 (Part 44)
3	Total Suspended Solids	mg/l	8.8	<100	5	IS 3025 (Part 17)
4	Chemical Oxygen Demand (COD)	mg/l	20	-	4	IS 3025 (Part 58)

II. Biological Testing

2. Pollution & Environment (Sewage)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Thermotolerant Coliforms (Faecal Coliforms)	MPN/100ml	170	<1000	-	APIA 23rd Ed 9221 E

Remarks : + NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Mr. Mukesh Chand Agarwal
 Authorized Signatory Chemical & Biological