तालचेर फर्टिलाइजर्स लिमिटेड
Talcher Fertilizers Limited
[Erstwhile Rashtriya Coal Gas Fertilizers Limited]
निगमित पहचान क्रमांक / Corporate Identification Number (CIN) : U24120OR2015PLC019575

TFL/Talcher/ADGF/09/2026/ 2059 **24.09.2026**

The Additional Director General of Forests (C),
Ministry of Environment, Forests and Climate Change,
Regional Office (EZ), A/3 Chandersekharpur,
Bhubaneswar- 751023
Odisha.

Sub: Submission of six-monthly compliance report pertaining to M/S Talcher Fertilizers Ltd. for setting up Ammonia & Urea Fertilizer Plant at Village- Vikrampur, Tahsil- Talcher, District- Angul, Odisha.

Ref: File No. J-11011/231/2013-IA-II(I), MoEF&CC (IA-II Section)
Environmental Clearance dated 09.02.2018

Respected Sir/Madam,

Reference to the above subject, we have obtained Environmental Clearance on 09.02.2018 vide reference cited. To comply certain conditions of the said EC, we herewith submitting half yearly compliance report of the conditions imposed in the said EC issued for the said project for the period of November, 2025 to April, 2026.

We request you to acknowledge the receipt of the same.

Thanking you,

Yours faithfully,
24/09/2026
(D.P. Biswajit)
Manager, Instrumentation
Talcher Fertilizers Limited

D.P. Biswajit
Manager (Instrumentation)
Talcher Fertilizers Limited
Talcher, Odisha

Copy to:
1. Member Secretary, Odisha Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VII, Bhubaneswar – 751012 (Odisha).
2. Zonal Office, CPCB, Kolkata.
3. Regional Office, OSPCB, Angul S-3/3, Industrial Estate, Angul-759143, Odisha.

SIX –MONTHS COMPLIANCE STATUS REPORT

For the period of Nov-2025 to April-2026

Talcher Fertilizers Ltd.

Village-Vikrampur,Tahsil-Talcher,Dist-Angul, Odisha.

Interstellar Testing Centre Pvt. Ltd.

86 Industrial Area,Phase-1

Panchkula,Haryana-134109

Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

Nov-2025 to April-2026

INTRODUCTION ABOUT THE INDUSTRY

In 1971The Fertilizer Corporation of India Ltd.(FCIL),set up Talcher Unit overran area of 902 acre in the district of Angul, Odisha which is located about 126 km away from Bhubaneswar to produce urea using coal as feed stock. Licensor for the Coal gasification was M/s Krupp Koppers, Germany and for Ammonia and Urea units Ammonia synthesis, M/s Tecnimont, Italy.

Commercial Production of Ammonia and Urea commenced on 01.11.1980 with Ammonia and Urea production capacity of 900 and 1500 Tons per day respectively. However due to frequent power restriction, obsolete and mismatch of technology and precarious steam balance the plan could not be sustained. The Board for Industrial and Financial Reconstruction (BIFR) declared the FCIL sick in 1992 and in 2002 Government of India initiated actions to close the company.

Due to shortage of domestic Urea and availability of large land banks, infrastructure and tied-up rail, water & electricity in the units of FCIL, GOI in the year 2007 decided to revive all units of FCIL. Government of India approved Policy for new Investments in the Urea Sector in September 2008 and constituted Empowered Committee of Secretaries (ECOS) in October 2008 with the mandate to evaluate all options of revival of closed units of FCIL/HFCL and to make suitable recommendations for consideration of the Government. In August, 2011, the Cabinet Committee on Economic Affairs (CCEA) had approved the Draft Rehabilitation Scheme (DRS) for revival of all the Units of FCIL and HFCL. DRS envisaged revival of Talcher Unit by the consortium of M/s. Rashtriya Chemical & Fertilizers Limited (RCF), M/s Coal India Limited (CIL) and M/s GAIL (India) Ltd. (GAIL).

Interstellar Testing Centre Pvt. Ltd. Panchkula

Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

Nov-2025 to April-2026

Project-Talcher Fertilizers Limited, Talcher, Odisha.
ECLetterNo.-F.No.J-11011/231/2013-IA-II (I) dated 9" February, 2018

A.STATUTORY COMPLIANCE:

Sl. No.	Conditions	Compliance
1	In view of the baseline air quality data for PM10 already exceeding the prescribed standards, one more season data to be collected to confirm the consistency of readings/values, and for suggesting Mitigating measures accordingly	1. Monitoring of PM10 has been completed for the period Nov-2025 to Apr-2026, 2. Copy of the same is enclosed in this report.
2	The project proponent shall, take stringent mitigating measures to minimize the incremental concentration of air pollutants (Mainly PM10& PM2.5) to the extent possible due to the proposed industrial operations.	As the monitored results are well within the specified limits no additional measures are proposed to be installed.
3	The project proponent shall develop local air quality management plan in consultation with SPCB and implemented to achieve desired standards.	Compliance Assured
4	The incremental ground level concentrations (GLC) for PM10,PM2.5,SO2 &NO2,due to the increased vehicular and other allied / developmental activities,shall be analyzed and reported for actual impact of the project besides remedial measures.	Compliance Assured 1. To Check the incremental increase in air pollutant during construction phase ,one monitoring station was selected in the project site.The data is included in this report. 2.As indicated in EIA the major transport of raw material will be by rail wagonand hence no impact on GLC due to transport is expected
5	Consent to Establish /Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Consent to Establish (CTE) is obtained from the Office of the State Pollution Control Board, Odisha, vide No.10261/IND-II-CTE-7470 dated:29.05.2025.The same enclosed as Annexure- I.
6	As already committed by the project proponent,Zero Liquid Discharge shall been sured and no waste/treated water shall be discharged outside the premises.	Complied ZLD is under construction.

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7	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules,2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Compliance Assured .It will be obtained in consent to operate.
8	National Emission Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G,S,R, 608(E) dated 21st July, 2010 and amended from time to time shall be followed.	Compliance Assured.
9	To control source suitable pollution and the control Fugitive emissions, devices shall be installed to meet the prescribed norms and/or the NMQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Plants will be designed with state of Art technologies with inbuilt pollution control systems so that the prescribed norms and fugitive emissions will be under control.
10	Total fresh water requirement shall not exceed 49200cum/day to be met from surface water from| Brahmini River. Prior permission in this regard shall be obtained from the concerned regulatory authority.	1. Fresh Water source will be received from the stipulated source. 2.And all necessary permissions is Granted
11	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Compliance Assured.
12	Hazardous chemicals shall be stored in tanks,tank farms, drums, carboys etc., Flame arresters shall be provided on tank farm and solvent transfer through pumps.	Compliance Assured.
13	ETP sludge, process inorganic & evaporation salt, if any, shall be disposed of to the TSDF.	Compliance Assured.
14	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and imports of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Compliance Assured.

Interstellar Testing Centre Pvt. Ltd. Panchkula

15	The company shall undertake waste minimization measures as below: 1. Metering and control of quantities of active ingredients to minimize waste. 2. Re use of by-products from the process . as raw materials or as raw material substitutes in other processes. 3. Use of automated filling to minimize spillage. 4. Use of Close Feed system into batch reactors. 5. Venting equipment through vapour recovery system. 6. Use of high-pressure hoses for equipment.	1.Compliance Assured 2.Compliance Assured 3.Compliance Assured 4.Compliance Assured 5.Compliance Assured 6.Compliance Assured
16	The green belt of 5-10m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of. plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	The project activities will be implemented in existing site of TFL with lot of greenery and the guideline of 33% area under green belt out of total project area will be achieved
17	All the commitment made regarding issues raised during the Public Hearing/consultation meeting held on 30h August, 2017 shall be satisfactorily implemented.	ESC dept. will keep aside a sum for ESC activities for project to meet public hearing requirement to the practical extent possible for an industrial unit.
18	At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Compliance Assured.
19	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulation sand the CPCB guidelines, Acoustic enclosure shall be provided to DG set for controlling the noise pollution,	Compliance Assured.

Interstellar Testing Centre Pvt. Ltd. Panchkula

20	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Compliance Assured.
21	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	HR and OHC Dept. will conduct regular health checkups and records for the same will be maintained as per the Factories Act.
22	Continuous online (24x7) monitoring system for stack cmissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Compliance Assured.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

A. COMPLIANCE OF OTHER GENERIC CONDITIONS:

Sl. No.	Conditions	Compliance
1	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.	Compliance Assured.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Compliance Assured.
3	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and its hall be ensured that at least one station each is Installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Compliance Assured.
4	The National Ambient Air Quality Emission Standards issued by the Ministry vide G,S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Compliance Assured.

Interstellar Testing Centre Pvt. Ltd. Panchkula

5	The overall noise levels in and around the plan tarea shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act,1986 Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time).	Compliance Assured.
6	The Company shall harvest rainwater from theroof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Compliance Assured.
7	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be under taken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Compliance Assured.
8	The company shall also comply with all the environmental protection measures and safe guards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Compliance Assured.
9	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	ESC activities shall be undertaken by involving local and other stake holders.
10	The company shall under take eco developmental measures including community well fare measures in the project area for the overall improvement of the environment.	Greenery development in the area will be undertaken. Activities shall be under taken for Developmental measures for welfare of overall environment.

Interstellar Testing Centre Pvt. Ltd. Panchkula

11	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management pollution control measures shall not be diverted for any other purpose.	Compliance Assured.
12	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad /Municipal Corporation, Urban local Body and the local NGO,if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied.
13	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF & CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Compliance Assured.
14	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF & CC by e- mail	Compliance Assured

Interstellar Testing Centre Pvt. Ltd. Panchkula

15	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministryathttp://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local, news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Compliance done. Communicated on In local Odiya news paper and English news paper. Oriya on date 16.02.2018 in Samaj (Angul Edition) ii) English on date 15.02.2018 in New Indian Express (Bhubaneswar Edition)Copy of the same has been submitted already.
16	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

BASELINE MONITORING REPORTS RESULT

(NOVEMBER 2025 TO APRIL 2026)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

1.0 Air Quality Monitoring Report Nov 2025-April 2026

The prime objective of ambient air quality monitoring is to evaluate the existing air quality of the proposed project area. This will also be useful for assessing the conformity to standards of the ambient air quality during the operations of proposed project. This section describes the selection of sampling locations, methodology adopted for sampling, analytical techniques and frequency of sampling Meteorological conditions prevailing within study area.

Sampling and Analytical Techniques

The sampling and analytical techniques used for the monitoring of Ambient Air quality is given in

Table -1.

TABLE-1: TECHNIQUES USED FOR AMBIENT AIR QUALITY MONITORING

Sl. No.	Parameter	Technique	Technical Protocol	Detectable Limit
1	Particulate matter size lessthan10 µm (PM 10), (µg/m3)	Gravimetric method	IS 5182 Part-23: 2006 (Reaff. 2017)/IS 5182(P-23) 2017	5 µg/m³
2	Particulate matter size Lessthan2.5 µm (PM 2.5) ,(µg/m3)	Gravimetric method	EPA-40 Appendix L to Part 50/ IS 5182(P-24) 2019	5 µg/m³
3	Sulphur Dioxide (SO2),(µg/m3)	Improved Westand Gaeke	IS 5182: Part 2:2001 (Reaff. 2017)/ IS 5182(P-2) 2017	5 µg/m³
4	Nitrogen Dioxide (NO2),(µg/m3)	Modified Jacob & Hochheiser	IS 5182: Part 6:2006 (Reaff. 2017)/ IS 5182(P-6) 2017	5 µg/m³
5	Ammonia(NH3),ug/m3	GC FID	ABCTL/SOP/A05, IS. No. 102-01-2015 IS 5182(P-25) 2018	0.1 µg/m³
6	VOCs	GC FID	SOP No.NL/SOP/A/AQ/VO/01/In house Method	0.1 µg/m³
7	Methane Hydrocarbons(MHC)	HC Analyzer for Spot Concentration	ABCTL/SOP/A15, IS. No. 102-01-2015/ASTM D7833-20	0.1 µg/m³
8	Non Methane Hydrocarbons(NMHC)	HC Analyzer for Spot Concentration	ABCTL/SOP/A15, IS. No. 102-01-2015/ ASTM D7833-20	0.1 µg/m³

Interstellar Testing Centre Pvt. Ltd. Panchkula

Frequency and Parameters

On each sampling day, 1 set of 24 hours / 8hour average samples was collected. The following air pollution parameters were measured by sampling during the sampling period.

1. Particulate matter (PM10)
2. Particulate matter (PM2.5)
3. Sulphur dioxide (SO2)
4. Oxides of nitrogen (NOX)
5. Ammonia
6. VOC

Sampling and Analytical Procedure

A brief description of the sampling and analytical procedures followed during the ambient air quality survey is as follows:

Particulate Matter (PM10)

The sampling of ambient air for evaluating PM10 levels were performed with AAQM Sampler fitted with a cyclone separator. Air exiting the separator is drawn at a measured rate through pre-weighed glass fiberfilter sheets of 20 cm x 25 cm sizes. The concentration of PM10 were computed from the average air flow rate, sampling period and the mass of particulate matter collected over the filter surface.

Particulate Matter (PM2.5)

PM2.5 is determined as per USEPA (United State Environment Protection Agency) guidelines with the help of Fine Dust Sampler (AAQM). Ambient air @ 16.67 Ipm is allowed to pass through Louvered inlet and WINS Impactor assembly having a 37mm dia. filter paper. Particulate matter of size <2.5 microns is deposited on 46.2mm dia. PTFE filter. The difference of final weight and initial weight of filter paper gives the weight of particulate matter of size <2.5 microns. The concentration of PM2.5 is computed as the weight of dust deposited on the filter divided by volume of air sampled.

Sulphur Dioxide (SO2)

The sampling of ambient air for evaluating the gaseous pollutants were performed with a Multigas Sampler, using the vacuum created by the AAQM Sampler for drawing the air samples through the impingers. For SO2,air was drawn at a measured and controlled rate of 400 to 500 ml/min & passed through a solution of potassium tetrachloromercurate (TCM). After sampling, the absorbing reagent was treated with dilute solutions of sulfamic acid, formaldehyde and para-rosaniline hydrochloride. The absorbance of the intensely coloured para-rosaniline methyl sulphonic acid was measured at wavelength of 560 nm using spectrophotometer and the amount of SO2 in the sample was computed. The ambient SO2 concentrations were computed from the amount of SO2 collected and the volume of air sampled.

Oxides of Nitrogen (NO2)

Air was drawn at a measured and controlled rate of about 200 ml/minute through an orifics containing solutions of sodium hydroxide and sodium arsenite. After completion of the sampling,an aliquot of the used absorbing solution was treated with solutions of H2O2, sulphanilamide and NEDA. The nitrite ion present in the impinger was calculated from the absorbance of the resulting solution measured at 540 nm using spectrophotometer. The ambient NOx concentrations were computed from the total nitrite ion present in the impingers, overall efficiency of the impinger and the procedure, and the volume of air sampled.

Ammonia (NH3)

The ambient air is collected through AAQM fitted with two Midget impingers containing 10 ml absorbing solution i.e. dilute Sulphuric acid in each (one for blank) at the rate of 1.0 /min for a period of 10-15 minutes. Ammonium sulphate solution thus formed is treated with Nessler reagent to produce yellow-brown colour complex. The Ammonia concentration is determined by spectrophotometer at 440 nm and comparing it with a standard curve.

Results

The observations made on air quality parameters at 06 locations have been presented through Table-4 to 9. Minimum and maximum values, arithmetic mean values and 98th percentile values of the 24 hour / 8 hour average concentrations have also been computed and presented.

Selection of Sampling Locations:

The baseline status of the ambient air quality has been assessed through a scientifically designed ambient air quality monitoring network. The design of monitoring network in the air quality surveillance program has been based on the following considerations:

- Topography/Terrain of the study area
- History of wind pattern
- Human Settlements
- Health status
- Accessibility of monitoring site
- Resource Availability
- Representativeness of the region for establishing baseline status
- Representativeness with respect to likely impact areas

Accordingly, an ambient air quality monitoring was conducted at 06 locations during the period of November 2025 —April 2026.The location of ambient air sampling stations has been presented below in Table2 & Table 3.

Table2: Details of sampling locations

Sl. No.	Location Name	With respect to project site	
		Direction	Distance
1	TFL Admin Building	-	-
2	H.B. Colony	ENE	1.2Km
3	TFL Guest Colony	-	-
4	Balanda Village	NW	2.5Km
5	Karanapur Village	W	4.5Km
6	Kukudanga Village	SW	2.5Km

Table3: Details of Air Quality Monitoring Locations (November 2025 to April- 2026)

Sl. No.	Sample Code	Sample Locations	Geographical Locations
1	TFL/A1	TFL Admin Building	20°54'42.8"N , 85°09'38.4"E
2	TFL/A2	H.B. Colony	20°54'19.3"N , 85°10'20.4"E
3	TFL/A3	TFL Guest Colony	20°54'14.8"N , 85°09'56.9"E
4	TFL/A4	Balanda Village	20°55'31.0"N , 85°09'26.8"E
5	TFL/A5	Karanapur Village	20°54'26.4"N , 85°07'01.1"E
6	TFL/A6	Kukudanga Village	20°53'23.3"N , 85°08'50.8"E

Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

Nov-2025 to April-2026

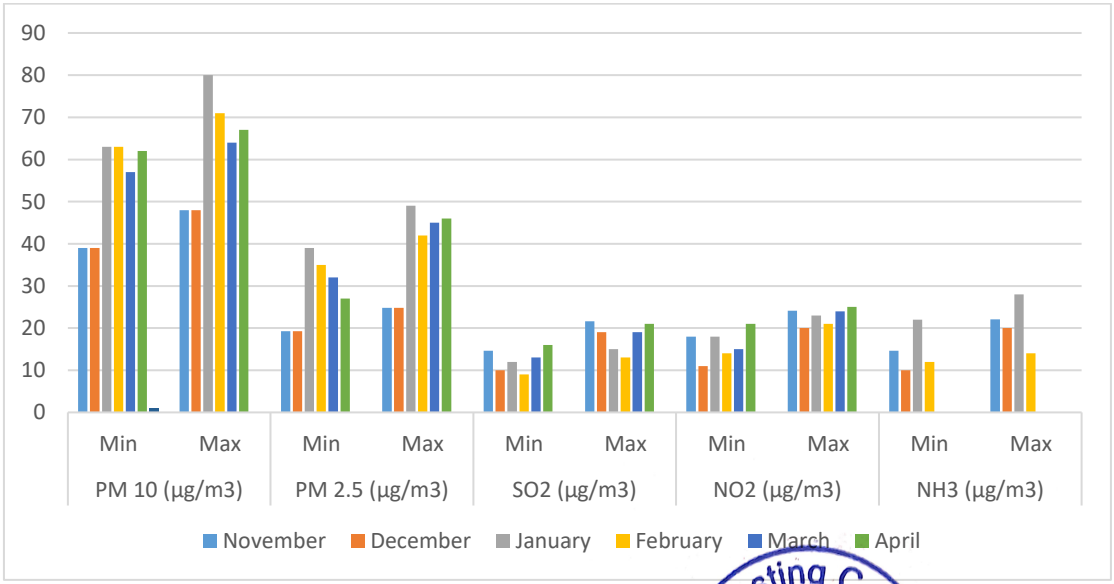
Ambient Air Quality Monitoring Results

AAQ1-TFL Admin Building

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	51	58	23.5	28.63	14	19.2	15	22	12	18	0
December	51	58	23.5	28.63	9	19	15	22	12	18	0
January	71	90	45	56	14	17	20	26	26	34	0
February	63	71	35	42	9	14	15	21	≤20	≤20	0
March	56	65	33	47	9	19	11	24	≤20	≤20	0
April	63	69	26	46	17	20	22	24	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Talcher Fertilizers

Graphical Representation



Interstellar Testing Centre Pvt. Ltd. Panchkula

Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

Nov-2025 to April-2026

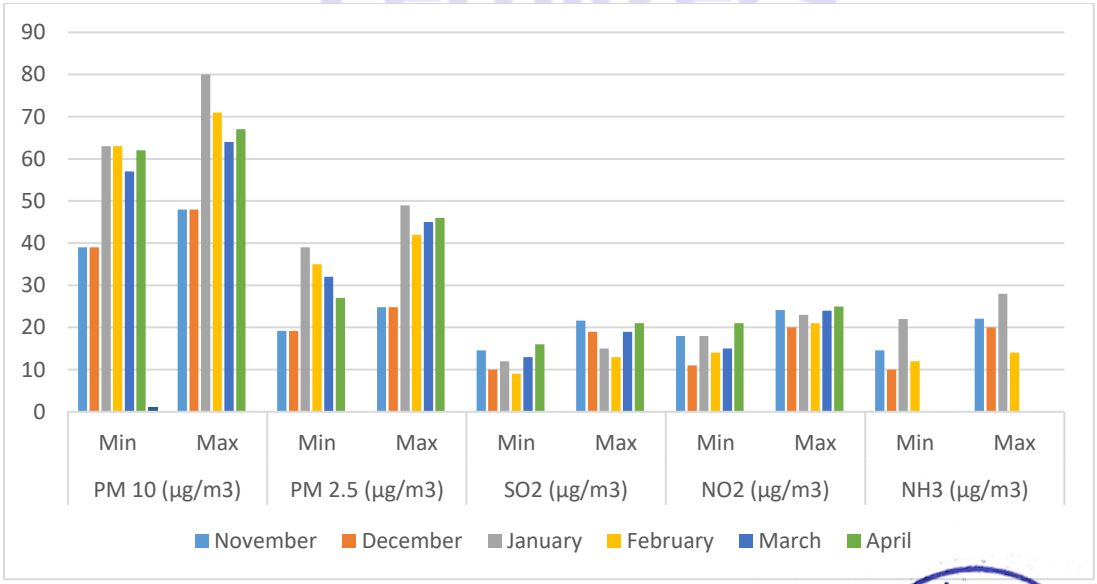
Ambient Air Quality Monitoring Results

AAQ2-H.B. Colony

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	41	49	19.23	26.92	14.9	22.1	14.6	19.6	13	18	0
December	41	49	19.23	26.92	10	16	11	18	11	18	0
January	69	87	43	54	13	17	20	25	26	33	0
February	14	72	33	69	9	13	16	21	≤20	≤20	0
March	56	67	34	42	11	20	14	26	≤20	≤20	0
April	61	67	27	49	13	22	17	25	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Talcher Fertilizers

Graphical Representation



Interstellar Testing Centre Pvt. Ltd. Panchkula

Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

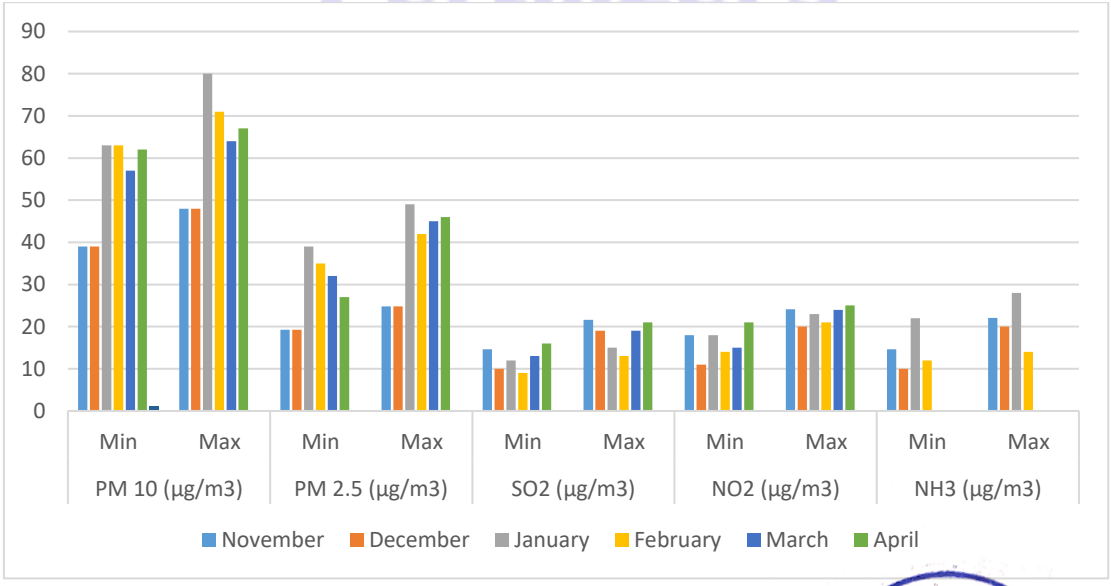
Nov-2025 to April-2026

Ambient Air Quality Monitoring Results

AAQ3-TFL Guest House Colony

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	41	58	23.5	28.63	15.9	21.6	12	20	13.2	18.6	0
December	41	58	23.5	28.63	9	15	12	20	10	17	0
January	67	85	42	53	13	16	19	24	25	31	0
February	63	73	36	41	9	13	14	21	≤20	≤20	0
March	56	67	34	49	10	21	13	25	≤20	≤20	0
April	63	67	28	48	17	21	21	25	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Graphical Representation



Interstellar Testing Centre Pvt. Ltd. Panchkula

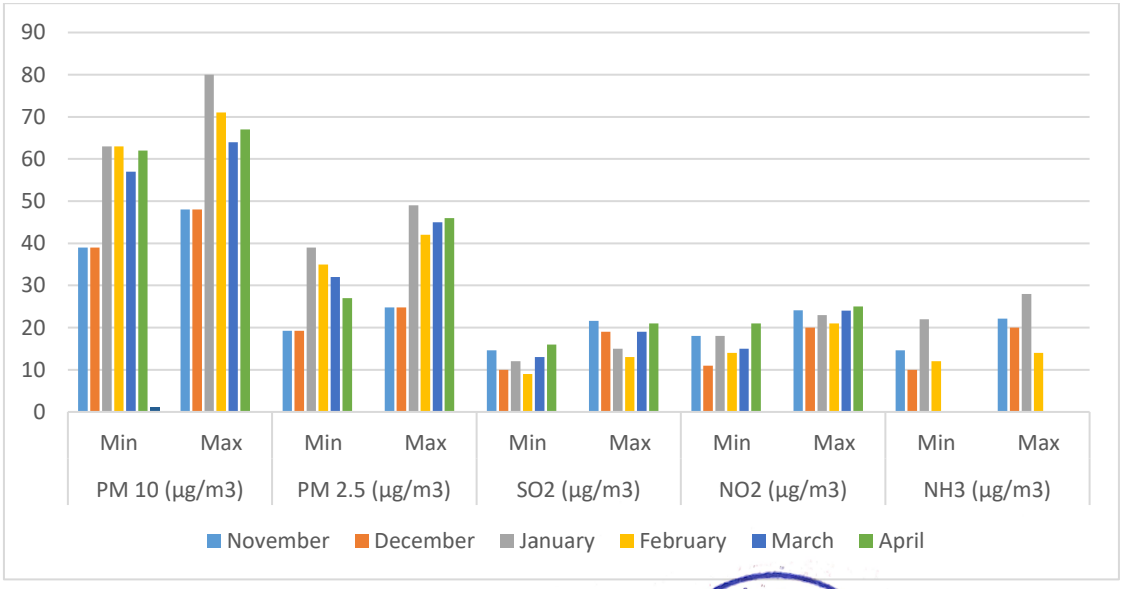
Ambient Air Quality Monitoring Results

AAQ4 - Balanda Village

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	35	43	15.38	20.94	12	18	11	18	14	19	0
December	35	43	15.38	20.94	10	19	9	15	8	17	0
January	70	88	44	55	14	17	20	25	26	33	0
February	18	71	37	72	9	14	15	21	≤20	≤20	0
March	57	64	32	45	13	19	15	24	≤20	≤20	0
April	63	69	29	47	15	21	20	27	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Talcher Fertilizers

Graphical Representation



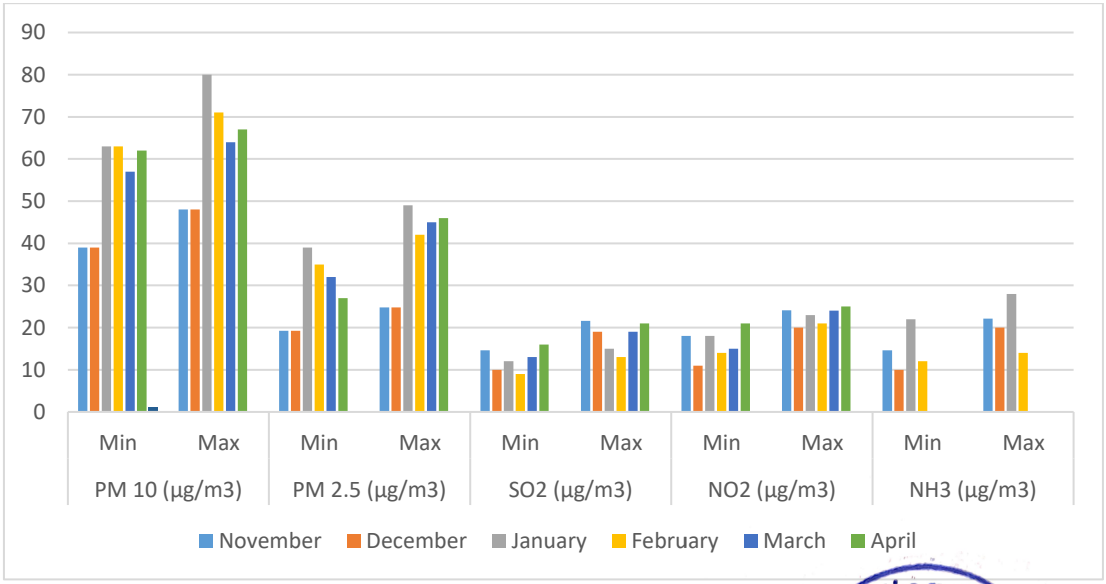
Interstellar Testing Centre Pvt. Ltd. Panchkula

Ambient Air Quality Monitoring Results

AAQ 5-Karnapur Village

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	39	48	19.23	24.78	14.6	21.6	18	24.1	14.6	22.1	0
December	39	48	19.23	24.78	10	19	11	20	10	20	0
January	63	80	39	49	12	15	18	23	22	28	0
February	63	71	35	42	9	13	14	21	≤20	≤20	0
March	57	64	32	45	13	19	15	24	≤20	≤20	0
April	62	67	27	46	16	21	21	25	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Graphical Representation



Six Monthly Compliance Report of Talcher Fertilizer Limited ,Odisha

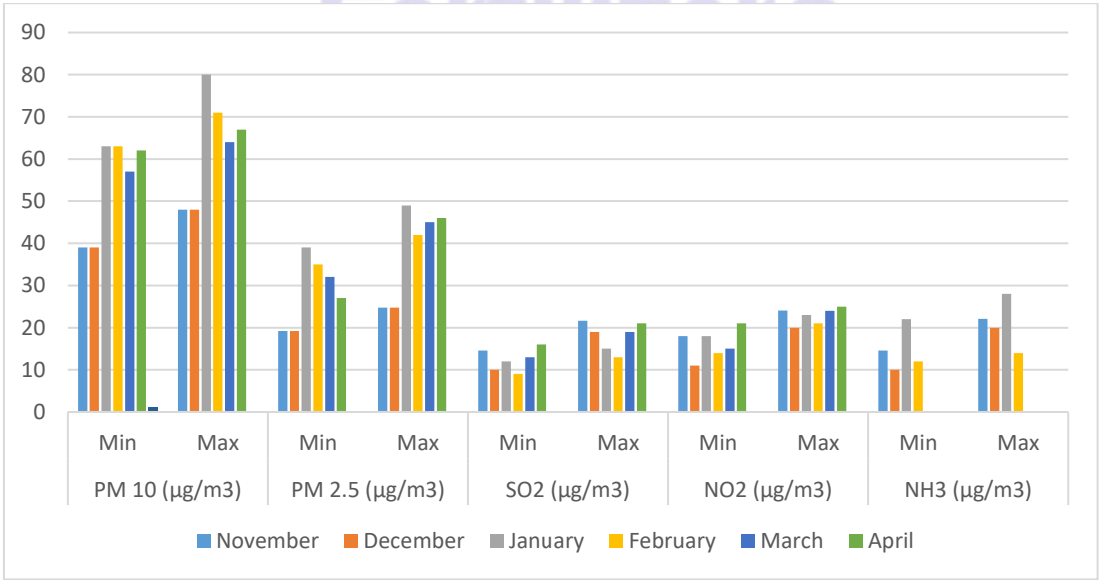
Nov-2025 to April-2026

Ambient Air Quality Monitoring Results

AAQ6-Kukudanga Village

Months	PM 10 (µg/m3)		PM 2.5 (µg/m3)		SO2 (µg/m3)		NO2 (µg/m3)		NH3 (µg/m3)		VOC (µg/m3)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
November	29	40	15.38	21.36	11.2	19.8	11	20	15.2	19.7	0
December	29	40	15.38	21.36	10	17	11	20	10	15	0
January	66	83	41	51	13	16	19	23	23	28	0
February	63	71	33	43	9	13	15	22	≤20	≤20	0
March	52	69	29	53	12	21	15	26	≤20	≤20	0
April	62	68	27	49	14	21	21	26	≤20	≤20	0
NAAQ Standard	100		60		80		80		400		

Graphical Representation



Interstellar Testing Centre Pvt. Ltd. Panchkula

AAQ Observations:

PM10: The maximum and minimum concentrations for PM10 were recorded as 90 µg/m3 at TFL Admin Building and 14 µg/m3 at H.B Colony.

PM2.5: The maximum and minimum concentrations for PM2.5 were recorded as 72 µg/m3 at Balanda and 15.38 µg/m3 at Kukudang Village & Balanda Village.

S02: The maximum and minimum concentrations for SO2 were recorded as 22.1 µg/m3 at HB Colony and 9 µg/m3 at TFL Admin Building

NO2: The maximum and minimum concentrations for NO2 were recorded as 27 µg/m3 at Karnapur Village & Kukudanga Village and 9 µg/m3 at TFL H.B Colony

NH3: The maximum and minimum concentrations for NH3 were recorded as 34 µg/m3 at TFL and 34 12 µg/m3 at Balanda House

The overall concentrations of PM10, PM2.5, SO2, NO2 and NH3 were observed to be well within the standards prescribed by Central Pollution Control Board (CPCB) .

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

3.0 Noise Monitoring Details

Accordingly, a Noise Monitoring was conducted at 06 locations during the period of 1st Nov 2025 to 31st April 2026.

(Nov 2025 —April 2026).The location of Ambient Noise sampling stations has been presented below in

Table 4 & Table 5.

Table4: Details of sampling locations

Sl. No.	Location Name	With respect to project site	
		Direction	Distance
1	TFL Admin Building	-	-
2	H.B. Colony	ENE	1.2Km
3	TFL Guest Colony	-	-
4	Balanda Village	NW	2.5Km
5	Karanapur Village	W	4.5Km
6	Kukudanga Village	SW	2.5Km

Table5: Details of Ambient Noise Monitoring Locations (November 2025 to April-2026)

Sl. No.	Sample Code	Sample Locations	Geographical Locations
1	TFL/N1	TFL Admin Building	20°54'42.8"N , 85°09'38.4"E
2	TFL/N2	H.B. Colony	20°54'19.3"N , 85°10'20.4"E
3	TFL/N3	TFL Guest Colony	20°54'14.8"N , 85°09'56.9"E
4	TFL/N4	Balanda Village	20°55'31.0"N , 85°09'26.8"E
5	TFL/N5	Karanapur Village	20°54'26.4"N , 85°07'01.1"E
6	TFL/N6	Kukudanga Village	20°53'23.3"N , 85°08'50.8"E

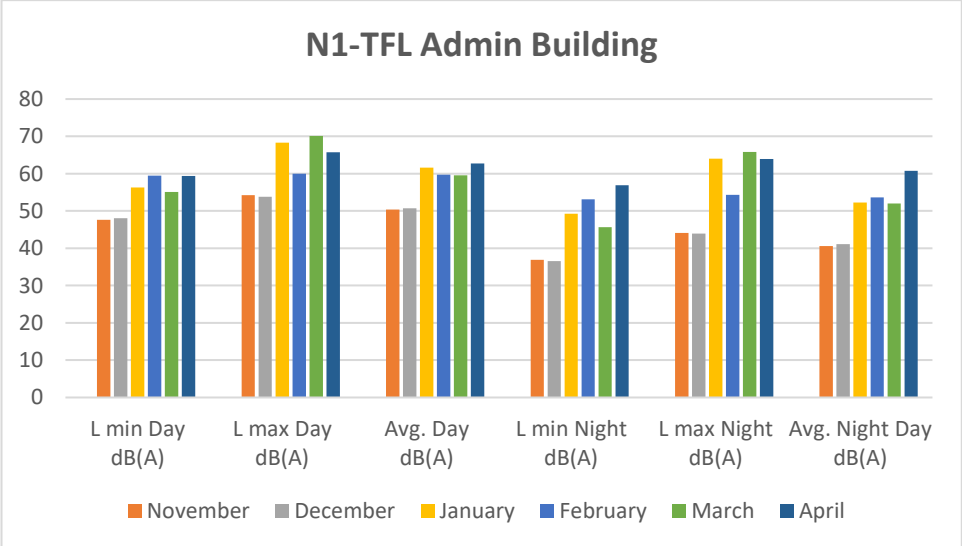
3.1 Results

The observations made on air quality parameters at 06 locations have been presented in the test reports. Minimum and maximum values, arithmetic mean values of the 24 hour / 8 hour average concentrations have also been computed and presented.

Interstellar Testing Centre Pvt. Ltd. Panchkula

N1-TFL Admin Building						
Month of Sampling	L min Day (dB(A))	L max Day (dB(A))	Avg Day (dB(A))	L min Night (dB(A))	L max Night (dB(A))	Avg Night (dB(A))
November	47.60	54.20	50.38	36.90	44.10	40.59
December	48.10	53.80	50.72	36.60	43.90	41.10
January	56.30	68.30	61.59	49.30	64.00	52.28
February	59.50	60.00	59.75	53.10	54.30	53.65
March	55.10	70.10	59.59	45.70	65.80	52.03
April	59.40	65.70	62.73	56.90	63.90	60.73

Graphical Representation

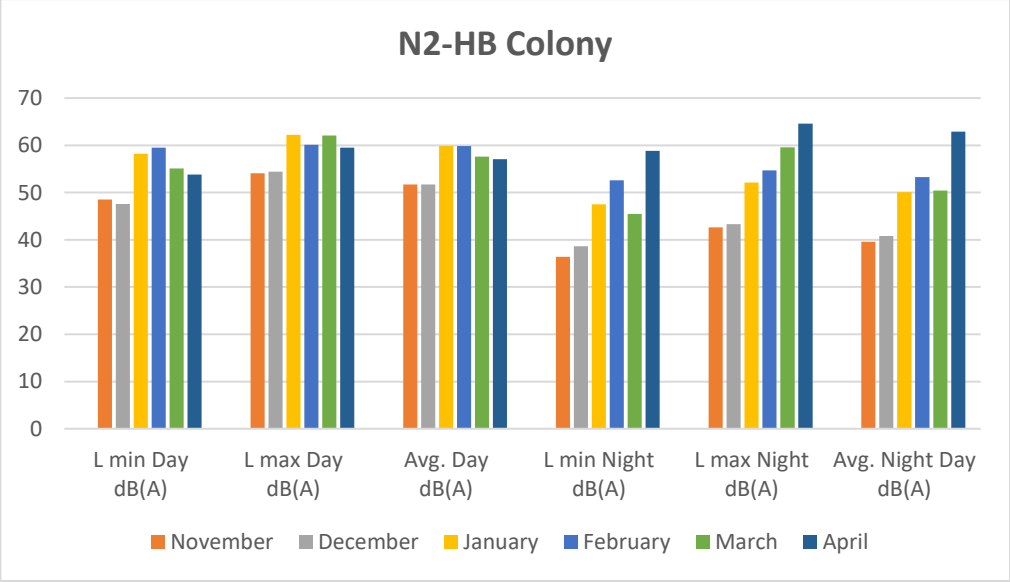


Observation:-

The Noise Monitoring Samplings in the TFL Admin Building are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results.Compare to all the months March shows the highest level of 70.10 dB(A) Day for L max Day (dB(A)) and December shows the lowest level of 36.60 dB(A) Night L min Night dB(A).

N2-H.B. Colony						
Month of Sampling	**L min Day (dB(A))**	**L max Day (dB(A))**	**Avg Day (dB(A))**	**L min Night (dB(A))**	**L max Night (dB(A))**	**Avg Night (dB(A))**
November	48.50	54.10	51.70	36.40	42.60	39.60
December	47.60	54.40	51.70	38.60	43.30	40.81
January	58.20	62.20	59.87	47.50	52.10	50.06
February	59.50	60.10	59.83	52.60	54.70	53.28
March	55.10	62.10	57.63	45.50	59.60	50.41
April	53.80	59.50	57.06	58.80	64.60	62.91

Graphical Representation

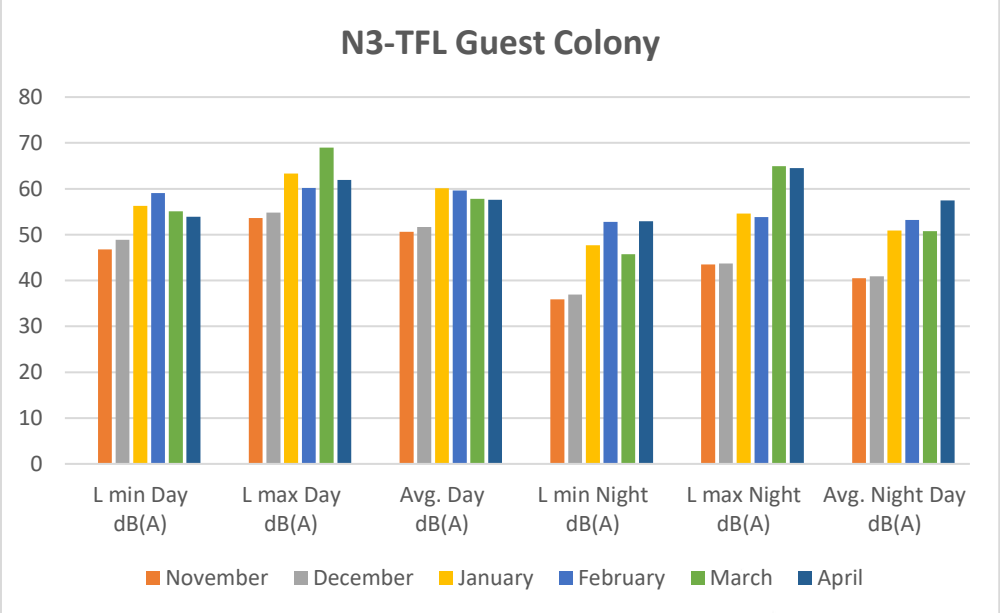


Observation:-

The Noise Monitoring Samplings in the HB Colony are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results. Compare to all the months April shows the highest level of 64.60 dB(A) Night for L max Night (dB(A)) and December shows the lowest level of 36.40 dB(A) Night L min Night dB(A).

TFL Guest Colony						
Month of Sampling	L min Day (dB(A))	L max Day (dB(A))	Avg Day (dB(A))	L min Night (dB(A))	L max Night (dB(A))	Avg Night (dB(A))
November	46.80	53.60	50.59	35.90	43.50	40.46
December	48.90	54.80	51.69	36.90	43.70	40.91
January	56.30	63.30	60.10	47.70	54.60	50.92
February	59.10	60.20	59.65	52.80	53.80	53.20
March	55.10	69.00	57.78	45.70	64.90	50.79
April	53.90	61.90	57.58	52.90	64.50	57.43

Graphical Representation

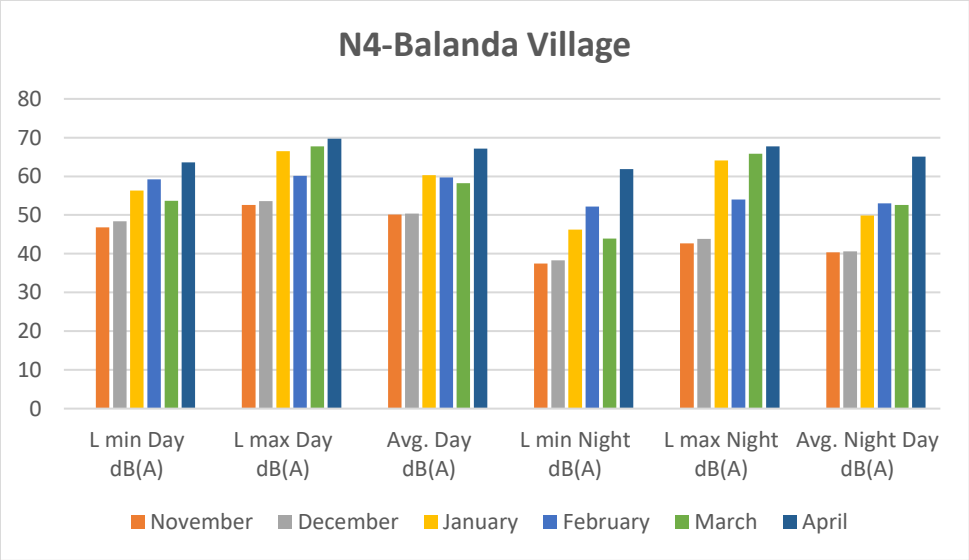


Observation:-

The Noise Monitoring Samplings in the TFL Guest Colony are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results. Compare to all the months March shows the highest level of 69.00 dB(A) Day for L max Day (dB(A)) and November shows the lowest level of 35.90 dB(A) Night L min Night dB(A).

N4-Balanda Village						
Month of Sampling	L min Day (dB(A))	L max Day (dB(A))	Avg Day (dB(A))	L min Night (dB(A))	L max Night (dB(A))	Avg Night (dB(A))
November	46.80	52.60	50.16	37.50	42.70	40.38
December	48.40	53.60	50.37	38.30	43.80	40.63
January	56.30	66.50	60.26	46.20	64.10	49.84
February	59.20	60.10	59.75	52.20	54.00	53.05
March	53.70	67.70	58.19	43.90	65.80	52.58
April	63.60	69.70	67.14	61.90	67.70	65.10

Graphical Representation

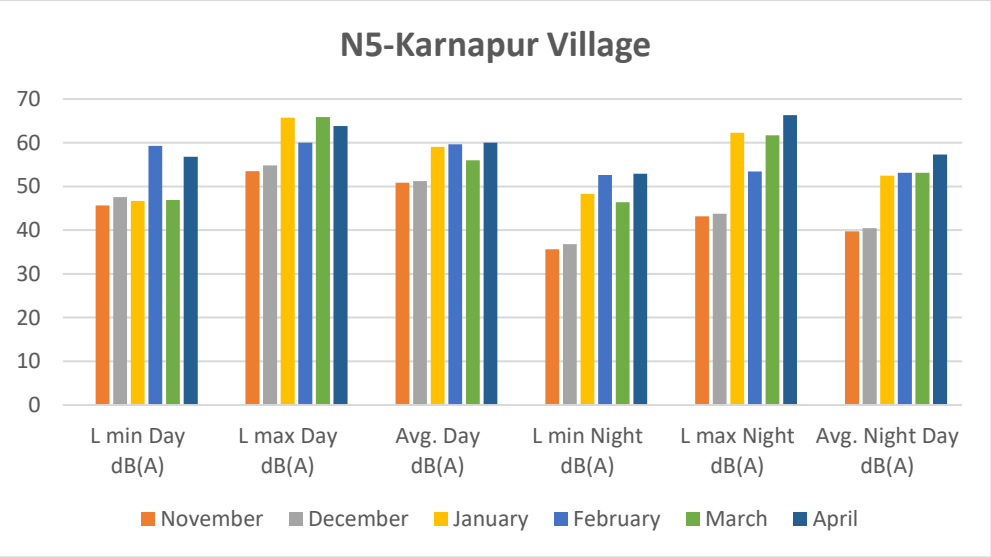


Observation:-

The Noise Monitoring Samplings in the Balanda Village are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results. Compare to all the months April shows the highest level of 69.70 dB(A) Day for L max Day (dB(A)) and November shows the lowest level of 37.50 dB(A) Night L min Night dB(A).

N5-Karanapur Village						
Month of Sampling	**L min Day (dB(A))**	**L max Day (dB(A))**	**Avg Day (dB(A))**	**L min Night (dB(A))**	**L max Night (dB(A))**	**Avg Night (dB(A))**
November	45.70	53.50	50.84	35.60	43.20	39.71
December	47.60	54.80	51.26	36.80	43.80	40.47
January	46.70	65.70	59.08	48.30	62.30	52.50
February	59.30	60.00	59.65	52.60	53.40	53.11
March	46.90	65.90	55.99	46.40	61.70	53.16
April	56.80	63.80	60.03	52.90	66.30	57.30

Graphical Representation

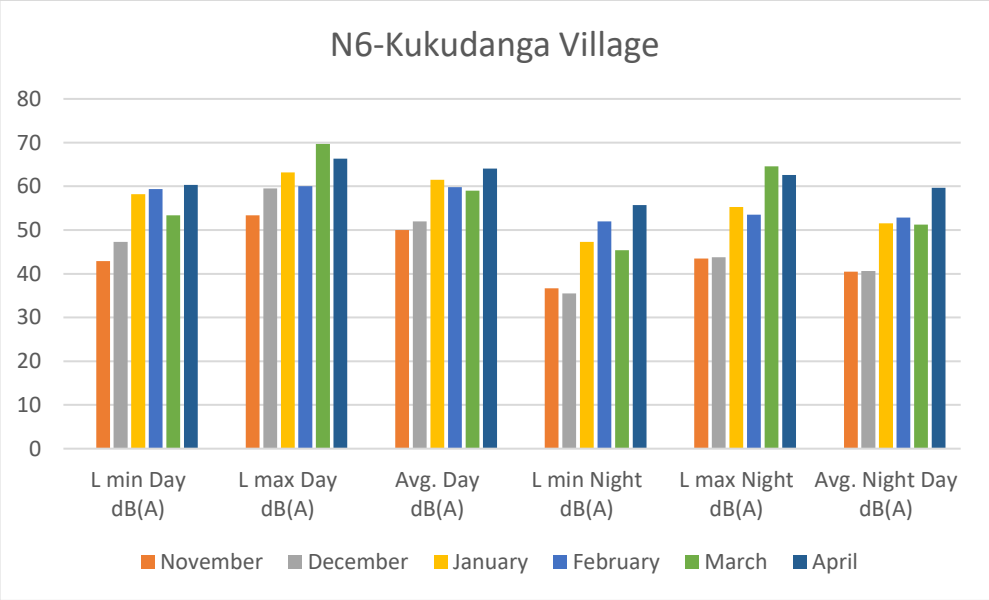


Observation:-

The Noise Monitoring Samplings in the Karnapur Village are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results. Compare to all the months April shows the highest level of 59.70 dB(A) Day for L max Day (dB(A)) and November shows the lowest level of 35.60 dB(A) Night L min Night dB(A).

N6-Kukudanga Village						
Month of Sampling	**L min Day (dB(A))**	**L max Day (dB(A))**	**Avg Day (dB(A))**	**L min Night (dB(A))**	**L max Night (dB(A))**	**Avg Night (dB(A))**
November	42.90	53.40	50.04	36.70	43.50	40.49
December	47.30	59.50	51.96	35.50	43.80	40.60
January	58.20	63.20	61.47	47.30	55.30	51.53
February	59.40	60.00	59.78	52.00	53.50	52.86
March	53.40	69.70	59.01	45.40	64.60	51.25
April	60.30	66.30	64.10	55.70	62.60	59.70

Graphical Representation



Observation:-

The Noise Monitoring Samplings in the Kukudanga Village are taken for 8 days for each month (Nov-2025 to Apr-2026).The above table shows the maximum and minimum range of sample results. Compare to all the months April shows the highest level of 69.70 dB(A) Day for L max Day (dB(A)) and November shows the lowest level of 35.50 dB(A) Night L min Night dB(A).

Ground Water Monitoring Results

The Ground Water Level & condition is monitored in 3 different locations GW1-Tentulei Village,GW2-Balanda Village & GW3-Kukudanga Village on following Dated-
20/11/2025,18/12/2025,23/01/2026,20/02/2026,20/03/2026,25/04/2026

For various parameters from the reports ,it shows that the sample results for GW-1,GW-2 and GW-3 are within the Permissible limits as per IS:10500:2012 are in good condition**.**The detailed reports are enclosed below.

Surface Water Monitoring Results

The Surface Water Level & condition is monitored in 3 different locations SW1-Pump House ,SW2-River in Jatia Village & SW3-PTBS Thermal Area on following Dated-
20/11/2025,18/12/2025,23/01/2026,20/02/2026,20/03/2026,25/04/2026

For various parameters from the reports ,it shows that the sample results for SW-1,SW-2 and SW-3 are within the permissible limits as per IS:10500:2012 are in good condition**.** The detailed reports are enclosed below.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Annexure-1 Environment Clearance Letter

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

F. No. J-11011/231/2013-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA- II Section)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi -3

Dated: 9th February, 2018

To

M/s Talcher Fertilizers Ltd
Village Vikrampur, Tehsil Talcher
District **Angul** (Odisha)

Sub: Setting up Ammonia & Urea Fertilizer Unit at Village Vikrampur, Tehsil Talcher, District Angul (Odisha) by M/s Talcher Fertilizers Ltd - Environmental Clearance -reg.

Sir,

This has reference to your proposal No. IA/OR/IND2/58560/2013 dated 11th October, 2017, submitting the EIA/EMP report with public consultation details on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for setting up ammonia & urea fertilizer unit based on coal gasification for production of 1.27 MMTPA of neem coated urea (end product) by M/s Talcher Fertilizers Ltd at Village Vikrampur, Tehsil Talcher, District Angul (Odisha).

3. The total land area of the project is 570 acre, out of which green belt will be developed in 180 acre. The cost of the project is Rs.10741.05 Crores. The project will provide employment to 1500 people during construction phase.

4. The proposed product/unit and capacity are as under:

S.No	Product/Unit	Capacity
1	Ammonia	2200 MTPD
2	Urea (Neem coated)	3850 MTPD
3	Coal Gasification Plant	Synthesis Gas: 242978 Nm^3/hr

5. Total water requirement for the project is 49,200 m^3/day. The permission for drawal of surface water from Brahmini River has been obtained from the State Government of Odisha vide letter No. 1513/SF/59 dated 3rd November, 2009.

The power requirement of 72 MW will be met from the Captive Power Plant. The raw Material required for the project are Coal, Pet Coke and lime stone. During initial stages of operation of the plant, coal shall be supplied through Bhubaneswari Coal Mine of M/s Mahanadi Coalfields Ltd. Later, the project proponent shall develop the dedicated coal mine for the procurement of coal in the desired quantity.

6. The project/activity is covered under category A of item 5(a) 'Chemical fertilizers' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee in the Ministry.

7. The terms of reference (ToR) for the project was initially granted on 26th November, 2013, and then extended up to 25th November, 2017. The ToR was transferred in the name of M/s Talcher Fertilizers Ltd from M/s Rashtriya Chemicals & Fertilizers Ltd, vide Ministry's letter dated 27th September, 2017. Public hearing was conducted by the State Pollution Control Board on 30th August, 2017.

Interstellar Testing Centre Pvt. Ltd. Panchkula

8. The proposal for environmental clearance was considered by the EAC (Industry-2) in its meeting held on 12-13 October, 2017. The project proponent and the accredited consultant M/s Projects & Development India Ltd presented the EIA/EMP report. The committee found the EIA/EMP report satisfactory and recommended the proposal for environmental clearance with certain conditions.

9. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project **'Setting up Ammonia & Urea Fertilizer Unit for production of 1.27 MMTPA of Neem Coated Urea (end product)'** by M/s Talcher Fertilizers Ltd at Village Vikrampur, Tehsil Talcher, District Angul (Odisha), under the provisions of EIA Notification, 2006 and the amendments made therein, subject to the compliance of terms and conditions, as under:-

(i) In view of the base line air quality data for PM_{10} already exceeding the prescribed standards, one more season data to be collected to confirm the consistency of readings/values, and for suggesting mitigating measures accordingly.

(ii) The project proponent shall take stringent mitigating measures to minimize the incremental concentration of air pollutants (mainly PM_{10} & $PM_{2.5}$) to the extent possible due to the proposed industrial operations.

(iii) The project proponent shall develop local air quality management plan in consultation with SPCB and implemented to achieve desired standards.

(iv) The incremental ground level concentrations (GLCs) for PM_{10}, $PM_{2.5}$, SO_2 & NO_2 due to the increased vehicular and other allied/developmental activities, shall be analysed and reported for actual impact of the project, besides remedial measures.

(v) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.

(vi) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.

(vii) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

(viii) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.

(ix) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

(x) Total fresh water requirement shall not exceed 49200 cum/day to be met from surface water from Brahmini River. Prior permission in this regard shall be obtained from the concerned regulatory authority.

(xi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

(xii) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.

(xiii) ETP sludge, process inorganic & evaporation salt, if any, shall be disposed off to the TSDF.

Interstellar Testing Centre Pvt. Ltd. Panchkula

(xiv) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(xv) The company shall undertake waste minimization measures as below:-

(a) Metering and control of quantities of active ingredients to minimize waste.

(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

(c) Use of automated filling to minimize spillage.

(d) Use of Close Feed system into batch reactors.

(e) Venting equipment through vapour recovery system.

(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xvi) The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

(xvii) All the commitment made regarding issues raised during the Public Hearing/consultation meeting held on 30th August, 2017 shall be satisfactorily implemented

(xviii) At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.

(xix) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

(xx) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

(xxi) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

(xxii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

9.1. The grant of environmental clearance is subject to compliance of other general conditions, as under:-

(i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority.

(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

Interstellar Testing Centre Pvt. Ltd. Panchkula

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.

(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

(viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.

(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(xiv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular

Interstellar Testing Centre Pvt. Ltd. Panchkula

Page 4 of 5

language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

10. The Ministry may revoke or suspend the clearance, at subsequent stages, if implementation of any of the above conditions is not satisfactory.

11. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

12. The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention &. Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

9/2/2018

(S. K. Srivastava)
Scientist E

Copy to:-

1. The Additional PCCF (C), MoEF&CC Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar - 23 (Odisha)
2. The Secretary, Department of Forest and Environment, Government of Odisha, Bhubaneswar (Odisha)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII, Bhubaneswar -12 (Odisha)
5. Guard File/Monitoring File/Website/Record File

9/2/2018

(S. K. Srivastava)
Scientist E

Interstellar Testing Centre Pvt. Ltd. Panchkula

E-mail: paribesh1@ospcboard.org
Website: www.ospcboard.org

STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII
Bhubaneswar – 751012

No. 10261 / IND-II-CTE-7470 Date: 29-05-2025 /
Through online/
By speed post

REVALIDATED CONSENT TO ESTABLISH ORDER

1. In consideration of online application ID- 2324926, the Consent to Establish was granted to M/s Talcher Fertilizers Limited (TFL) vide no. 12951/IND-II-NOC-6253, Dt. 30.11.2019 for production of Ammonia (2200 MTPD), Urea (Neem Coated) (3850 MTPD) and Coal Gasification Plant (Synthesis Gas: 242978 Nm^3/hr) with project cost of Rs. 13.277 Crore over an area of 490.7 Acres, At- Talcher, PO- Vikrampur, District- Angul.
2. The Consent to Establish order 12951, Dt. 30.11.2019 was valid for five years up to 29.11.2024.
3. M/s Talcher Fertilizers Limited (TFL) has obtained Environmental Clearance from MoEF & CC, Govt. of India vide F.No.J-11011/ 231/ 2013 IA. II(I) Dt. 9-02-2018 for setting up of Ammonia & Urea Fertilizer Unit at Vikrampur Tahasil Talcher District Angul, Odisha for production of Ammonia (2200 MTPD), Urea (Neem Coated) (3850 MTPD) and Coal Gasification Plant (Synthesis Gas: 242978 Nm^3/hr).
4. M/s Talcher Fertilizers Limited (TFL) has submitted application for revalidation of CTE order 12951, Dt. 30.11.2019 as per Guidelines for auto revalidation/modification of Consent to Establish order of SPCB, Odisha vide notification no. 10534/Ind-II-NOC-Misc.-68 dated 27.06.2016 vide online application no. 5995842.
5. M/s Talcher Fertilizers Limited (TFL) has submitted declaration form indicating that, the project capacity and configuration has not changed with respect to the original application.

In consideration of the online application no. 5995842 for obtaining Consent to Establish of M/s Talcher Fertilizers Limited (TFL) read with Guidelines for auto revalidation/modification of Consent to Establish order of SPCB, Odisha vide notification no. 10534/Ind-II-NOC-Misc.-68 dated 27.06.2016, the State Pollution Control Board is pleased to extend the validity period of Consent to Establish issued vide Letter No. 12951, Dt. 30.11.2019 for production of Ammonia (2200 MTPD), Urea (Neem Coated) (3850 MTPD) and Coal Gasification Plant (Synthesis Gas: 242978 Nm^3/hr) with a revised project cost of Rs. 17080.69 Crore for a period of five years from the date of expiry of above Consent to Establish order 12951, Dt. 30.11.2019 or the Date of Environmental Clerance whichever is earlier.

Interstellar Testing Centre Pvt. Ltd. Panchkula

All other matter and conditions as given in the above Consent to Establish order issued vide letter No. 12951/IND-II-NOC-6253, Dt. 30.11.2019 shall remain unchanged.

28/5/25

MEMBER SECRETARY

To,

The Director Operation
M/s Talcher Fertilizers Limited (TFL)
At: Talcher, PO: Vikrampur,
District: Angul – 759106

Memo No._____/Date_____/

Copy forwarded to:

1. The Collector and District Magistrate, Angul
2. The Director of Factories & Boiler, Bhubaneswar
3. The DFO, Angul
4. The Regional Officer, SPCB, Odisha, Angul
5. CTO Cell, SPCB, Odisha, Bhubaneswar
6. HWM Cell, SPCB, Odisha, Bhubaneswar
7. Guard file

ADDL.. CHIEF ENV. ENGINEER

ODISHA

Interstellar Testing Centre Pvt. Ltd. Panchkula

ODISHA

Tel : 2564033/2563924
EPABX : 2561909/2562847
E-mail: paribesh1@ospcboard.org
Web site : www.ospcboard.org

OFFICE OF THE
STATE POLLUTION CONTROL BOARD, ODISHA
(Department of Forest & Environment, Govt. of Odisha)
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII
Bhubaneswar – 751012

Through online/ By Speed Post

No. 12951 /IND-II-NOC-6253 Date 30.11.2019

OFFICE MEMORANDUM

In consideration of the application no. **2324926** received through online for obtaining Consent to Establish for **M/s Talcher Fertilizers Ltd. (TFL)**, the State Pollution Control Board is pleased to convey its Consent to Establish under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 for following production/unit capacity:

Sl. No.	Name of the facility	Capacity
1.	Ammonia	2200 MTPD
2.	Urea (Neem Coated)	3850 MTPD
3.	Coal Gasification Plant	Synthesis Gas: 242978 Nm^3/hr

with project cost of ₹ 13,277.00 Crores over an area of 490.7 acres, At - Talcher, P.O. – Vikrampur (as per plot nos. & Khata nos. mentioned in Application Form) in the District of Angul with following conditions:

GENERAL CONDITIONS:

1. This Consent to Establish is valid for the raw materials, product, manufacturing process and capacity mentioned in the application form. This order is valid for five years. The proponent shall commence construction of the project within a period of five years from the date of issue of this order. If the proponent fails to do substantial physical progress of the project within five years then a renewal of this Consent to Establish shall be sought by the proponent.
2. The industry shall comply to the provisions of Environment Protection Act, 1986 and the rules made there under with their amendments from time to time such as the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as amended from time to time, Hazardous Chemical Rules, / Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 etc. and amendments there under. The industry shall also comply to the provisions of Public Liability Insurance Act, 1991, if applicable.
3. The Industry is to apply for grant of Consent to Operate under Section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act, 1981 at least 3 (three) months before the commercial production and obtain Consent to Operate from this Board.

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4. **This Consent to Establish is subject to statutory and other clearances from Govt. of Odisha and / or Govt. of India as and when applicable.**

SPECIAL CONDITIONS:

A. GENERAL:

1. The proponent shall carryout construction activity of the proposed Fertilizer Plant as per Environmental Clearance granted by MoEF&CC, Govt. of India, vide No. J-11011/231/2013-IA-II (I), date 09.02.2018.
2. This Consent to Establish is granted for the capacity as mentioned above and any expansion in the capacity, change or modification in the process, addition, alternation any nature has to be undertaken with prior approval of the Board. For any change in the site or area, fresh Consent to Establish has to be obtained from the Board. The proponent shall carry out construction activity as per approved revised lay out map (**enclosed**). If the proponent wants to change the approved plant layout map, they can submit a modified plant layout map with adequate justification for such modification.
3. The proponent shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of Environment Impact Assessment (EIA) report and project report.
4. The proponent shall obtain permission from concerned authorities for drawal of surface water / ground water.
5. The proponent shall identify the old contaminated sites of old plant and shall remediate the same before start of construction of new plant facilities.
6. A relatively thick green coverage may be provided on the north-west and east sides of the plant keeping in view the high noise and dust level.
7. At least 5% of the total energy use (plant & colony) shall be from non-conventional sources.
8. Good housekeeping practices shall be followed to improve the work environment. All roads and shop floors shall be cleaned regularly.
9. The construction and demolition wastes to be generated from the proposed project shall be disposed of in accordance with the provision under "Construction & Demolition Wastes Management Rules 2016".
10. The proponent shall comply to the provisions of E-Waste (Management) Rules, 2016 and shall handover e-waste to authorized collection centers/ register dismantlers/ recyclers for proper disposal of e-waste.
11. All the plastic waste generated from industry during construction and commissioning shall be collected and sent for co-processed in a cement kiln.
12. Monitoring of stack emissions, fugitive emissions, trade effluent and noise level shall be done as per CPCB regulations.
13. The unit shall explore the transportation of raw materials and products through rail instead of trucks.

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14. A green belt of adequate width and density preferably with local species along the periphery of the unit shall be raised so as to provide protection against particulates and noise. It must be ensured that at least 33% (163.9 acres) as proposed of the total land area shall be under permanent green cover, in such a manner that, atleast plantation shall be taken up at least in 20% of the total green belt area and progressively achieve 100% in a span of five years and under no circumstances this land earmarked for green belt shall be used for any other purpose.

15. The civil construction shall be carried out with the fly ash bricks. If the fly ash bricks are not available locally the civil construction may carried out with other bricks with prior intimation to the concerned Regional Office of SPC Board. A statement indicating use of fly ash bricks during construction period shall be submitted to the Board quarterly for record.

16. The proponent should shall full-fledged environmental management cell and the head of environmental management cell shall report directly to the unit Chief Administrator (say M.D.). A detailed proposal to this effect is to be submitted.

17. The land on which the unit is proposed to be established shall be converted to industrial use Kisam by the competent authority. The copy of said land conversion document shall be submitted to the Board along with Consent to Operate application.

18. The Board may impose further conditions or modify the conditions stipulated in this order during installation and /or at the time of obtaining Consent to Operate and may revoke this clearance in case the stipulated conditions are not implemented and /or any information suppressed in the application form.

19. The industry shall apply for grant of Consent to Operate under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of Air (Prevention & Control of Pollution) Act, 1981 at least 3 (three) months before the commercial production and obtain Consent to Operate from this Board. No production activity shall commence prior to installation of all pollution control measures.

20. The unit shall abide by E (P) Act, 1986 and Rules framed thereunder.

21. Depending on the environmental condition, stricter standards may be imposed for the effluent or restriction for discharge may be made for which adequate facilities from the beginning shall be made to meet such situation in future

B. **WATER POLLUTION:**

22. The unit shall install online Continuous Effluent Quality Monitoring System (CEQMS) at the outlet of Effluent Treatment Plant (ETP) for online real time data transmission through GPRS system to SPCB RTDAS server and also upload data for use by CPCB.

23. The domestic wastewater generated from the industry shall be treated in sewage treatment plant to meet the following standards as notified by the MoEF&CC, Govt. of India vide G.S.R. 1265 (E), dated 13.10.2017. The treated water shall be reused for gardening and plantation. Under no circumstances there shall be any discharge of treated waste water to outside the factory premises.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Sl. No.	Parameters	Standards
1.	pH	6.5-9.0
2.	BOD(mg/l)	30
3.	TSS(mg/l)	<100
4.	Fecal Coliform (MPN/100ml)	< 1000

24. Use of treated as well as recycled water and rain water harvesting shall be widely adopted for conservation of water.

25. Process effluent / any wastewater shall not be allowed to mix with storm water. The proponent shall provide separate drain for storm water and process water.

26. The waste water generated in DM plant and Ammonia Plant during normal operation shall be treated in the In-plant Treatment Systems so that the same is recycled / neutralized in the plant and treated effluent shall be utilized for green belt and floor washings.

27. The proponent shall provide garland drains around coal storage area and all the stock pile area, followed by series of settling tanks to retain the solids, if any, in order to prevent damage to the surrounding land and water bodies.

28. The proponent shall construct, a full-fledged ETP of capacity 900 KLD for treatment of waste water generated from plant and treated water shall be completely reused. The proponent shall adopt Zero Liquid Discharge (ZLD) concept and under no circumstances the waste water shall be discharged to outside the factory premises.

29. The treated effluent shall be recycled and reused in the industry and/or used for water spraying or green belt development etc. The excess waste water shall be collected in Central Effluent Treatment Plant (CETP).

30. The treated waste water from the CETP shall be utilized after meeting the following standard.

Parameters	Limiting concentration in mg/l except for pH
pH	5.5 to 9.0
Suspended solids	100
BOD, 3days, 27°C	30
COD	250
Oil & Grease	10
Ammonical Nitrogen as N	50
Cyanide as CN	0.2
Phenolic compound	1.0
Copper (Total)	3.0
Iron (Total)	3.0
Free available Chlorine	0.5
Zinc	5.0
Chromium (Total)	0.2
Phosphate	5.0

31. Storm water shall not be allowed to mix with effluent, scrubber water and / or floor washing and shall be channelized through separate drains as per natural gradient, passing through High Density Polyethylene (HDPE) lined pits, each having holding capacity of 10 minutes (hourly average) of rainfall.

(Page 4 of 7)

Interstellar Testing Centre Pvt. Ltd. Panchkula

32. Rain water harvesting structure shall be developed inside the plant premises and maximum effort shall be made to reuse harvested rain water, with a definite plan and programme to reduce the drawl of fresh water from water bodies.

C. **AIR POLLUTION:**

33. Necessary preventive measures shall be taken during construction phase so that the ambient air quality including noise shall conform to National ambient air quality standards and standards for noise in industrial area as per **Annexure-I**. Ambient air quality at the boundary of the plant premises shall meet the prescribed standards of the Board as per **Annexure - II**. The ambient air quality monitoring report shall be submitted to the Board every month.

34. The unit shall install online Continuous Stack Emission Monitoring Systems (CSEMS) at all the stacks of the plant for online real time monitoring for PM, SO_2 and Flouride and data transmission through GPRS system to SPCB RTDAS server and also upload data for use by CPCB.

35. The unit shall install online Continuous Ambient Air Quality Monitoring Systems (CAAQMS) within and outside the plant premises atleast at four locations for online real time monitoring and data transmission through GPRS system to SPCB RTDAS server and also upload data for use by CPCB.

36. Ambient Air Quality shall be maintained as per National Ambient Air Quality standard prescribed for industrial and mixed used area under E(P) Act, 1986.

37. Air compressor and DG set shall be acoustically designed and shall be housed in appropriate acoustic enclosures so that the noise level outside it shall conform to the prescribed norms.

38. The height of the stack attached to the D.G sets shall confirm to the following:

    $H = h + 0.2\sqrt{KVA}$ (Where, h = Height of the building where it is installed in meter KVA = Capacity of D.G Set and H = Height of the stack in meter above ground level)

39. The proponent shall install inbuilt system for removal of H_2S and Carbonyl Sulphide & Sulphur shall be recovered in the form of elemental Sulphur.

40. Wet limestone shall be used for flue gas desulphurization for 95% control of SO_2. Low NOx burners and selective catalyst reduction (SCR) shall be provided for high efficiency NOx control. Electrostatic Precipitator shall be installed for control of Particulate Matters.

41. Raw materials and products shall be stored in covered sheds and adequate dust suppression measures shall be taken to control fugitive emission from handling of raw materials and products.

42. Working area including the roads surrounding the plant shall be asphalted or concreted & water sprinkling system shall be installed to suppress the fugitive dust emission.

43. Both dust suppression (dry fog) and extraction (bag filter) system shall be provided at all dust generating source such as crushing, screening & material transfer points etc. to control fugitive emission.

Interstellar Testing Centre Pvt. Ltd. Panchkula

44. The unit shall provide adequate, both dust suppression (dry fog) and extraction (bag filter) system at all potential dust generating sources including Coal Handling Plant so that particulate matter emission shall not exceed 100 mg/Nm^3. Stack height for de-dusting unit shall be calculated as per the formula H = 74Q $^{0.27}$, where H and Q are stack height in meter and Particulate Matter (PM) emission in ton/hr respectively.

45. The proponent shall install Pneumatic dust handling system in all Bag Filter hoppers with common silo and telescopic chute arrangement. Mechanical operated system for timely collection and removal of the flue dust generated in air pollution control device shall be installed.

46. Air pollution control devices shall be maintained properly. Fabric bags and cages in bag house shall be checked regularly and replaced whenever required. Adequate availability of spares shall be ensured for immediate replacement.

47. All Pollution control equipment may be provided with separate electricity meter and totalizer for continuous recording of power consumption. The amperage of the ID fan may also be recorded continuously. Non-functioning of Pollution control equipment should be recorded in the same logbook along with reasons for not running the Pollution Control Equipment.

48. The unit shall provide porthole and platform at suitable location with safe approach to conduct emission and monitoring at all the stacks.

D. SOLID AND HAZARDOUS WASTE:

49. The industry shall develop hazardous waste disposal site as per guideline of Central Pollution Control Board, Delhi for disposal of Hazardous Waste.

50. Sludge from raw Water Treatment Plant (WTP) shall be dewatered (centrifuged) with Decanter and the solid cake shall be used as manure after proper conditioning. Sludge from ETP shall be dewatered through suitable processes (decanter / Pressure Belt Filter). Solid cake of ETP shall be used either as manure or disposed off along with bottom ash.

51. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc., Flame arresters shall be provided on tank farm, and solvent transfer shall be one through pumps.

52. All the Hazardous Wastes generated from the unit shall be stored under covered shed on concrete platforms and drain arrangement for collection of spillage in any before going for final disposal to the Hazardous Waste disposal site/ through CPCB/SPCB authorised vendors.

53. Coal tar generated if any from Coal Gasification plant shall be stored in an impervious pit and disposed off through authorized operators.

54. The proponent shall establish Mechanized Waste Convertor having polycrack method and other similar method for processing of Municipal Solid Waste generated from the unit, under covered shed to produce valuable products like oil, water, gas, carbon, metal, glass etc.

Interstellar Testing Centre Pvt. Ltd. Panchkula

55. The other solid waste generated from the unit shall be suitably disposed off without causing any public nuisance or environmental contamination.

56. A Solid Waste Management Cell shall be created under Environmental Management Cell and complete utilization of all solid waste shall be envisaged and implemented in a sustained manner. All the available research and development options shall be scouted in this regard. The exact utilization of solid waste shall be finalized in consultation with the State Pollution Control Board.

57. The industry shall obtain authorization for management of Hazardous Waste as per previsions of Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 as amended from time to time.

58. Municipal Solid Waste generated from the unit shall be disposed off as per the Solid Waste Management Rules, 2016 and amendment thereafter.

Encl: Approved plant layout map and Annexures

30/11/19

MEMBER SECRETARY

To

The CEO,
M/s Talcher Fertilizers Limited (TFL),
2nd floor PARC Building,
GAIL Training Institute,
Noida Sector 16A, District - Gautam Budha Nagar,
Tehsil: Noida.

Memo No. 12952 **/Date** 30.11.2019 /

Copy forwarded to:

1. The Collector & District Magistrate, Angul.
2. The District Industries Centre, Angul.
3. The Director, Factories & Boiler, Bhubaneswar.
4. The Regional Officer, SPC Board, Angul.
5. Consent to Operate Section, SPC Board, BBSR.
6. The DFO, Angul.
7. Hazardous Waste Management Section SPC Board, BBSR.
8. Copy to Guard file.

30/11/19

CHIEF ENV. ENGINEER

Interstellar Testing Centre Pvt. Ltd. Panchkula

टिप्पण :

1. जब कभी और जहां भी किसी उद्योग-उद्यम के लिये दो क्रमिक उत्पादन दिनों पर मापित मूल्य, उक्त विनिर्दिष्ट सीमा से अधिक हो तो इसे नियमित या निरंतर उल्लंघन नहीं अतिरिक्त अन्वेषण करवाने के लिये पर्याप्त कारण समझा जायेगा ।"।

[फा. सं. क्यू- 15017/43/2007-सी.पी.डब्ल्यू.]

रजनीश दुबे, संयुक्त सचिव

टिप्पण : मूल नियम भारत के राजपत्र में असाधारण सं.का.आ.844 (अ), तारीख 19 नवम्बर 1986 द्वारा प्रकाशित किये गये थे और पश्चातवर्ती संशोधन सं.का.आ.433 (अ), तारीख 18 अप्रैल 1987, सा.का.नि. 176 (अ), तारीख 2 अप्रैल 1996 और हाल में ही सा.का.नि. 97 (अ), तारीख 18 फरवरी 2009; सा.का.नि. 149 (अ), तारीख 4 मार्च, 2009; सा.का.नि. 512 (अ), तारीख 9 जुलाई, 2009, सा.का नि. 543 (अ), तारीख 22 जुलाई, 2009; सा.का.नि. 595 (अ), तारीख 21 अगस्त, 2009; और सा.का.नि. 974 (अ) तारीख, 04 नवम्बर 2009 द्वारा प्रकाशित किए गए ।

MINISTRY OF ENVIRONMENT AND FORESTS

NOTIFICATION

New Delhi, the 16th November, 2009

G.S.R. 826(E).— In exercise of the powers conferred by section 6 and section 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:—

1. (1) These rules may be called the Environment (Protection) Seventh Amendment Rules, 2009.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986 (hereinafter referred to as the said rules), in rule 3, in sub-rule (3B), for the words, brackets, figures and letters, "in columns (3) to (5) of Schedule VII", the words, brackets, figures and letters "in columns (4) and (5) of Schedule VII" shall be substituted.

3. For Schedule VII to the said rules and entries relating thereto, the following Schedule and entries shall be substituted, namely:—

"[SCHEDULE VII]

[See rule 3(3B)]

NATIONAL AMBIENT AIR QUALITY STANDARDS

S. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air		
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Government)	Methods of Measurement
(1)	(2)	(3)	(4)	(5)	(6)
1	Sulphur Dioxide (SO_2), µg/m³	Annual*	50	20	- Improved West and Gaeke -Ultraviolet fluorescence
		24 hours**	80	80	
2	Nitrogen Dioxide (NO_2), µg/m³	Annual*	40	30	- Modified Jacob & Hochheiser (Na-Arsenite) - Chemiluminescence
		24 hours**	80	80	
3	Particulate Matter (size less than 10µm) or PM_{10} µg/m³	Annual*	60	60	- Gravimetric - TOEM - Beta attenuation
		24 hours**	100	100	
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$ µg/m³	Annual*	40	40	- Gravimetric - TOEM - Beta attenuation
		24 hours**	60	60	

Interstellar Testing Centre Pvt. Ltd. Panchkula

(1)	(2)	(3)	(4)	(5)	(6)
5	Ozone (O_3) $\mu g/m^3$	8 hours**	100	100	- UV photometric - Chemiluminescence
		1 hour**	180	180	- Chemical Method
6	Lead (Pb) $\mu g/m^3$	Annual*	0.50	0.50	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper - ED-XRF using Teflon filter
		24 hours**	1.0	1.0	
7	Carbon Monoxide(CO) mg/m^3	8 hours**	02	02	- Non Dispersive Infra Red (NDIR) spectroscopy
		1 hour**	04	04	
8	Ammonia(NH_3) $\mu g/m^3$	Annual*	100	100	-Chemiluminescence -Indophenol blue method
		24 hours**	400	400	
9	Benzene (C_6H_6) $\mu g/m^3$	Annual*	05	05	- Gas chromatography based continuous analyzer - Adsorption and Desorption followed by GC analysis
10	Benzo(a)Pyrene (BaP) - particulate phase only, ng/m^3	Annual*	01	01	- Solvent extraction followed by HPLC/GC analysis
11	Arsenic (As), ng/m^3	Annual*	06	06	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper
12	Nickel (Ni), ng/m^3	Annual*	20	20	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Note.— Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.".

[F. No. Q-15017/43/2007-CPW]

RAJNEESH DUBE, Jt. Secy.

Note.— The principal rules were published in the Gazette of India, Extraordinary vide number S.O.844(E), dated the 19th November, 1986, and subsequently amended vide numbers S.O. 433(E), dated the 18th April, 1987; G.S.R. 176 (E), dated the 2nd April 1996; and were recently amended vide numbers G.S.R. 97(E), dated the 18th February, 2009, G.S.R. 149(E), dated the 4th March, 2009; G.S.R. 512(E), dated the 9th July, 2009; G.S.R. 543(E), dated the 22nd July, 2009; G.S.R. 595(E), dated the 21st August, 2009; and G.S.R. 794(E), dated the 4th November, 2009.

Printed by the Manager, Govt. of India Press, Ring Road, Mayapuri, New Delhi-110064
and Published by the Controller of Publications, Delhi-110054

Interstellar Testing Centre Pvt. Ltd. Panchkula

[SCHEDULE III]

(See rule 3)

AMBIENT AIR QUALITY STANDARDS IN RESPECT OF NOISE

Area Code	Category of Area	Limits in dB(A) Leq.	
		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Note

1. Day time is reckoned in between 6 a.m. and 9 p.m.
2. Night time is reckoned in between 9 p.m. and 6 a.m.
3. Silence zone is defined as areas upto 100 meters around such premises as hospitals, educational institutions and courts. The Silence Zones are to be declared by the Competent Authority.

   Use of vehicular horns, loudspeakers and bursting of crackers shall be banned in these zones.
4. Mixed categories of areas should be declared as one of the four above mentioned categories by the Competent Authority and the corresponding standards shall apply.

Schedule III inserted vide GSR 1063(E), dt. 26.12.89, published in the Gazette No. 643, dt. 26.12.89.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Baseline Monitoring Report Results

AAQM REPORTS

(November-2025 to April-2026)

Talcher Fertilizers



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007071989 4FF, 7265F, 7312F, 7411F, 7513F, 7594F, 7649F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-1, TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	25.21	51.00	19.10	19.00	12.00
06/11/2025	27.35	57.00	18.40	21.00	13.00
10/11/2025	23.50	53.00	16.90	15.00	14.00
13/11/2025	24.35	52.00	14.00	16.00	15.00
17/11/2025	26.92	58.00	19.00	22.00	13.00
20/11/2025	25.64	56.00	15.10	20.00	16.00
24/11/2025	27.77	55.00	19.20	18.00	18.00
27/11/2025	28.63	54.00	17.40	17.00	14.00
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**23.50**	**51.00**	**14.00**	**15.00**	**12.00**
Maximum	**28.63**	**58.00**	**19.20**	**22.00**	**18.00**
Average	**26.17**	**54.50**	**17.39**	**18.50**	**14.38**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **Test Report No.:** NL/2025/TFL/11/101

Post Vikrampur, Dist. Anugul – 759106, Odisha, India **Test Report Date:** 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-1, TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007100F 7185F, 7266F, 7313F, 7412F, 7514F, 7595F, 7650F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-2, H.B.Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	19.23	41.00	22.10	15.10	15.00
06/11/2025	20.51	47.00	19.50	16.60	17.00
10/11/2025	22.22	45.00	16.80	17.80	13.00
13/11/2025	26.49	46.00	14.90	16.40	16.00
17/11/2025	24.74	42.00	18.50	14.60	18.00
20/11/2025	23.93	48.00	17.10	15.80	13.00
24/11/2025	26.92	46.00	15.60	18.00	14.00
27/11/2025	23.07	49.00	14.90	19.60	15.00
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**19.23**	**41.00**	**14.90**	**14.60**	**13.00**
Maximum	**26.92**	**49.00**	**22.10**	**19.60**	**18.00**
Average	**23.39**	**45.50**	**17.43**	**16.74**	**15.13**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/11/102

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-2, H.B.Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007101F,7186F, 7267F, 7314F, 7413F, 7515F, 7596F, 7651F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-3, TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	26.92	57.00	15.90	17.00	17.40
06/11/2025	23.50	41.00	21.60	18.00	15.60
10/11/2025	27.35	47.00	20.60	19.00	14.90
13/11/2025	28.63	48.00	18.40	16.00	18.60
17/11/2025	24.35	58.00	19.60	20.00	14.00
20/11/2025	25.64	55.00	17.60	17.00	17.40
24/11/2025	24.78	42.00	16.20	14.00	13.20
27/11/2025	26.80	48.00	21.20	12.00	15.90
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**23.50**	**41.00**	**15.90**	**12.00**	**13.20**
Maximum	**28.63**	**58.00**	**21.60**	**20.00**	**18.60**
Average	**28.00**	**49.50**	**18.89**	**16.63**	**15.88**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/11/103

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-3, TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007171O827FF, 7268F, 7315F, 7414F, 7516F. 7597F, 7652F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-4,Balanda House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	15.38	38.00	17.00	14.00	17.00
06/11/2025	18.54	40.00	15.00	15.00	15.00
10/11/2025	19.23	35.00	16.00	11.00	19.00
13/11/2025	17.94	42.00	13.00	18.00	17.00
17/11/2025	16.66	39.00	15.00	16.00	16.00
20/11/2025	15.81	43.00	16.00	17.00	17.00
24/11/2025	18.37	36.00	18.00	15.00	14.00
27/11/2025	20.94	38.00	12.00	13.00	18.00
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**15.38**	**35.00**	**12.00**	**11.00**	**14.00**
Maximum	**20.94**	**43.00**	**18.00**	**18.00**	**19.00**
Average	**17.86**	**38.88**	**15.25**	**14.88**	**16.63**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/11/104

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** AAQ-4,Balanda House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007103F,7188F, 7269F, 7316F, 7415F, 7517F, 7598F, 7653F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** AAQ-5, Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	21.36	47.00	17.00	20.90	14.60
06/11/2025	20.51	41.00	19.60	21.00	16.80
10/11/2025	22.24	43.00	15.00	18.00	15.90
13/11/2025	23.07	40.00	16.40	24.10	18.40
17/11/2025	24.78	39.00	14.60	18.60	19.60
20/11/2025	23.93	48.00	18.20	21.80	20.10
24/11/2025	24.35	46.00	21.60	23.40	22.10
27/11/2025	19.23	44.00	20.10	18.10	16.90
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**19.23**	**39.00**	**14.60**	**18.00**	**14.60**
Maximum	**24.78**	**48.00**	**21.60**	**24.10**	**22.10**
Average	**22.43**	**43.50**	**17.81**	**20.74**	**18.05**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/11/105

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-5, Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007171O849FF, 7270F, 7317F, 7416F, 7518F, 7599F, 7654F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-6, Kukudanga Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
03/11/2025	19.23	37.00	19.80	11.00	17.40
06/11/2025	15.38	39.00	11.20	14.00	18.60
10/11/2025	15.60	31.00	17.00	18.00	16.80
13/11/2025	15.51	35.00	14.00	12.00	15.90
17/11/2025	18.37	38.00	15.00	14.00	16.70
20/11/2025	19.23	40.00	18.10	15.00	15.80
24/11/2025	20.51	32.00	18.90	20.00	19.70
27/11/2025	21.36	29.00	17.40	19.00	15.20
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**15.38**	**29.00**	**11.20**	**11.00**	**15.20**
Maximum	**21.36**	**40.00**	**19.80**	**20.00**	**19.70**
Average	**18.27**	**35.13**	**16.43**	**15.38**	**17.01**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **Test Report No.:** NL/2025/TFL/11/106

Post Vikrampur, Dist. Anugul – 759106, Odisha, India **Test Report Date:** 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-6, Kukudanga Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
03/11/2025	ND	ND	ND
06/11/2025	ND	ND	ND
10/11/2025	ND	ND	ND
13/11/2025	ND	ND	ND
17/11/2025	ND	ND	ND
20/11/2025	ND	ND	ND
24/11/2025	ND	ND	ND
27/11/2025	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007752F 7795F, 7868F, 7914F, 8006F, B059F, 8108F, 8308F, 8410F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-1, TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	24.78	55.00	11.00	17.00	15.00
04/12/2025	25.21	51.00	9.00	19.00	12.00
08/12/2025	27.35	57.00	10.00	21.00	13.00
11/12/2025	23.50	53.00	13.00	15.00	14.00
15/12/2025	24.35	52.00	14.00	16.00	15.00
18/12/2025	26.92	58.00	19.00	22.00	13.00
22/12/2025	25.64	56.00	12.00	29.00	16.00
26/12/2025	27.77	55.00	10.00	18.00	18.00
29/12/2025	28.63	54.00	13.00	17.00	14.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**23.50**	**51.00**	**9.00**	**15.00**	**12.00**
Maximum	**28.63**	**58.00**	**19.00**	**22.00**	**18.00**
Average	**26.02**	**54.56**	**12.33**	**18.33**	**14.44**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **Test Report No.:** NL/2025/TFL/12/101

Post Vikrampur, Dist. Anugul – 759106, Odisha, India **Test Report Date:** 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-1,TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007753F 7796F, 7869F, 7915F, B007F, 8060F, 8199F, 8309F, 8411F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** AAQ-2, H.B.Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	21.36	49.00	12.00	15.00	11.00
04/12/2025	19.23	41.00	6.00	13.00	15.00
08/12/2025	20.51	47.00	14.00	11.00	17.00
11/12/2025	22.22	45.00	15.00	17.00	13.00
15/12/2025	26.49	46.00	10.00	16.00	16.00
18/12/2025	24.74	42.00	16.00	14.00	18.00
22/12/2025	23.93	48.00	12.00	12.00	13.00
26/12/2025	26.92	46.00	15.00	18.00	14.00
29/12/2025	23.07	49.00	11.00	11.00	15.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**19.23**	**41.00**	**10.00**	**11.00**	**11.00**
Maximum	**26.92**	**49.00**	**16.00**	**18.00**	**18.00**
Average	**23.16**	**45.89**	**13.44**	**14.11**	**14.67**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/12/102

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** AAQ-2,H.B. Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500007754F, 7797F, 7870F, 7916F, 8008F, 8061F, 8200F, 8310F, 8412F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-3, TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	25.21	54.00	12.00	15.00	13.00
04/12/2025	26.92	57.00	11.00	17.00	11.00
08/12/2025	23.50	41.00	15.00	18.00	15.00
11/12/2025	27.35	47.00	12.00	19.00	12.00
15/12/2025	28.63	48.00	13.00	16.00	16.00
18/12/2025	24.35	58.00	10.00	20.00	14.00
22/12/2025	25.64	55.00	11.00	17.00	17.00
26/12/2025	24.78	42.00	9.00	14.00	11.00
29/12/2025	26.80	48.00	15.00	12.00	10.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**23.50**	**41.00**	**9.00**	**12.00**	**10.00**
Maximum	**28.63**	**58.00**	**15.00**	**20.00**	**17.00**
Average	**25.91**	**50.00**	**12.00**	**16.44**	**13.22**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/12/103
Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-3, TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

ULR No: TC148142500007755F 7798F, 7871F, 7917F, B009F, 8062F , 8201F, 8311F, 8413F

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-4,Balanda House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	17.52	41.00	19.00	12.00	10.00
04/12/2025	15.38	38.00	17.00	14.00	17.00
08/12/2025	18.54	40.00	15.00	9.00	12.00
11/12/2025	19.23	35.00	11.00	11.00	9.00
15/12/2025	17.94	42.00	13.00	10.00	10.00
18/12/2025	16.66	39.00	10.00	14.00	11.00
22/12/2025	15.81	43.00	16.00	12.00	17.00
26/12/2025	18.37	36.00	12.00	15.00	13.00
29/12/2025	20.94	38.00	12.00	11.00	8.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**15.38**	**35.00**	**10.00**	**9.00**	**8.00**
Maximum	**20.94**	**43.00**	**19.00**	**15.00**	**17.00**
Average	**17.84**	**39.11**	**13.89**	**12.00**	**11.89**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **Test Report No.:** NL/2025/TFL/12/104

Post Vikrampur, Dist. Anugul – 759106, Odisha, India **Test Report Date:** 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-4 Balanda House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	**-**	**-**	**-**
Maximum	**-**	**-**	**-**
Average	**-**	**-**	**-**
NAAQM Standards	**-**	**-**	**-**
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007756F .7799F, 7872F, 7918F, 8010F, 8063F , 8202F, 8312F, 8414F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** AAQ-5, Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	23.07	45.00	18.00	15.00	12.00
04/12/2025	21.36	47.00	14.00	17.00	10.00
08/12/2025	20.51	41.00	19.00	16.00	11.00
11/12/2025	22.24	43.00	12.00	14.00	13.00
15/12/2025	23.07	40.00	16.00	18.00	14.00
18/12/2025	24.78	39.00	10.00	20.00	15.00
22/12/2025	23.93	48.00	11.00	15.00	17.00
26/12/2025	24.35	46.00	13.00	19.00	20.00
29/12/2025	19.23	44.00	12.00	11.00	19.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**19.23**	**39.00**	**10.00**	**11.00**	**10.00**
Maximum	**24.78**	**48.00**	**19.00**	**20.00**	**20.00**
Average	**22.50**	**43.67**	**13.89**	**16.11**	**14.56**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: NL/2025/TFL/12/105

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-5, Kamapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007757F 7800F, 7873F, 7919F, 8011F, B064F, 8203F, 8313F, 8415F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-6, Kukudanga Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/12/2025	17.52	34.00	13.00	13.00	10.00
04/12/2025	19.23	37.00	11.00	11.00	15.00
08/12/2025	15.38	39.00	11.00	14.00	10.00
11/12/2025	16.60	31.00	17.00	18.00	12.00
15/12/2025	15.51	35.00	14.00	12.00	10.00
18/12/2025	18.37	38.00	10.00	14.00	11.00
22/12/2025	19.23	40.00	12.00	15.00	13.00
26/12/2025	20.51	32.00	16.00	20.00	14.00
29/12/2025	21.36	29.00	13.00	19.00	15.00
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**15.38**	**29.00**	**10.00**	**11.00**	**10.00**
Maximum	**21.36**	**40.00**	**17.00**	**20.00**	**15.00**
Average	**18.19**	**35.00**	**13.00**	**15.11**	**12.22**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**40 CFR Appendix L Part 53 CPCB Guidelines**	**IS:5182 (P-23)**	**IS:5182 (P-2)**	**IS:5182 (P-6)**	**Method of Air Sampling & Analysis**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **Test Report No.:** NL/2025TFL/12/106

Post Vikrampur, Dist. Anugul – 759106, Odisha, India **Test Report Date:** 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: AAQ-6 Kukudanga Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs µg/m³	**Methane HC µg/m³**	**Non Methane HC µg/m³**
02/12/2025	ND	ND	ND
04/12/2025	ND	ND	ND
08/12/2025	ND	ND	ND
11/12/2025	ND	ND	ND
15/12/2025	ND	ND	ND
18/12/2025	ND	ND	ND
22/12/2025	ND	ND	ND
26/12/2025	ND	ND	ND
29/12/2025	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**SOP No. NL/SOP/AAQ/VOC/01**	**IS:5182 (P-11)**	**IS:5182 (P-11)**

Remarks: NAAQS: National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec-3(i)], 16.11.2009, ND-Not Detected.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007006F, 6997F, 6993F, 6964F, 6957F, 6987F, 6981F, 6976F, 6969F,

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	55.0	88.0	17.0	25.0	33.0
08/01/2026	50.0	80.0	16.0	23.0	30.0
12/01/2026	53.0	84.0	16.0	24.0	31.0
14/01/2026	46.0	74.0	14.0	21.0	27.0
15/01/2026	56.0	90.0	17.0	26.0	34.0
19/01/2026	45.0	71.0	14.0	20.0	26.0
23/01/2026	51.0	82.0	16.0	24.0	31.0
27/01/2026	45.0	72.0	14.0	21.0	27.0
29/01/2026	49.0	79.0	15.0	23.0	30.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**45.00**	**71.00**	**14.00**	**20.00**	**26.00**
Maximum	**56.00**	**90.00**	**17.00**	**26.00**	**34.00**
Average	**50.00**	**80.00**	**15.44**	**23.00**	**29.89**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603060151, 0142, 0138, 0109, 0102, 0132, 0126, 0121, 0114,

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007008F, 7004F, 6999F, 6968F, 6960F, 6991F, 6985F, 6979F, 6973F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	53.0	85.0	16.0	24.0	31.0
08/01/2026	48.0	77.0	15.0	22.0	29.0
12/01/2026	51.0	82.0	16.0	23.0	30.0
14/01/2026	45.0	71.0	14.0	20.0	26.0
15/01/2026	54.0	87.0	17.0	25.0	33.0
19/01/2026	43.0	69.0	13.0	20.0	26.0
23/01/2026	49.0	79.0	15.0	23.0	30.0
27/01/2026	43.0	70.0	13.0	20.0	26.0
29/01/2026	47.0	76.0	15.0	22.0	29.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**43.00**	**69.00**	**13.00**	**20.00**	**26.00**
Maximum	**54.00**	**87.00**	**17.00**	**25.00**	**33.00**
Average	**48.11**	**77.33**	**14.89**	**22.11**	**28.89**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603060153, 0149, 0144, 0113, 0105, 0136, 0130, 0124, 0118

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007005F, 7001F, 6994F, 6963F, 6959F, 6988F, 6982F, 6975F, 6970F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	52.0	83.0	16.0	24.0	31.0
08/01/2026	47.0	76.0	15.0	22.0	29.0
12/01/2026	50.0	80.0	15.0	23.0	30.0
14/01/2026	44.0	70.0	14.0	20.0	26.0
15/01/2026	53.0	85.0	16.0	24.0	31.0
19/01/2026	42.0	67.0	13.0	19.0	25.0
23/01/2026	48.0	77.0	15.0	22.0	29.0
27/01/2026	43.0	68.0	13.0	20.0	26.0
29/01/2026	46.0	74.0	14.0	21.0	27.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**42.00**	**67.00**	**13.00**	**19.00**	**25.00**
Maximum	**53.00**	**85.00**	**16.00**	**24.00**	**31.00**
Average	**47.22**	**75.56**	**14.56**	**21.67**	**28.22**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Test Report No.: TR01EN-2603060150, 0146, 0139, 0108, 0104, 0133, 0127, 0120, 0115

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	**-**	**-**	**-**
Maximum	**-**	**-**	**-**
Average	**-**	**-**	**-**
NAAQM Standards	**-**	**-**	**-**
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007009F, 7002F, 6996F, 6966F, 6962F, 6990F, 6984F, 6980F, 6971F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	54.0	86.0	17.0	25.0	33.0
08/01/2026	49.0	78.0	15.0	23.0	30.0
12/01/2026	52.0	83.0	16.0	24.0	31.0
14/01/2026	45.0	72.0	14.0	21.0	27.0
15/01/2026	55.0	88.0	17.0	25.0	33.0
19/01/2026	44.0	70.0	14.0	20.0	26.0
23/01/2026	50.0	80.0	16.0	23.0	30.0
27/01/2026	44.0	70.0	14.0	20.0	26.0
29/01/2026	48.0	77.0	15.0	22.0	29.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**44.00**	**70.00**	**14.00**	**20.00**	**26.00**
Maximum	**55.00**	**88.00**	**17.00**	**25.00**	**33.00**
Average	**49.00**	**78.22**	**15.33**	**22.56**	**29.44**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603060154, 0147, 0141, 0111, 0107, 0135, 0129, 0125, 0116

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	**-**	**-**	**-**
Maximum	**-**	**-**	**-**
Average	**-**	**-**	**-**
NAAQM Standards	**-**	**-**	**-**
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007010F, 7000F, 6995F, 6965F, 6958F, 6989F, 6983F, 6977F, 6972F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	48.0	78.0	15.0	22.0	26.0
08/01/2026	44.0	71.0	14.0	20.0	24.0
12/01/2026	46.0	75.0	14.0	21.0	25.0
14/01/2026	40.0	66.0	12.0	19.0	23.0
15/01/2026	49.0	80.0	15.0	23.0	28.0
19/01/2026	39.0	63.0	12.0	18.0	22.0
23/01/2026	45.0	73.0	14.0	21.0	25.0
27/01/2026	39.0	64.0	12.0	18.0	22.0
29/01/2026	43.0	70.0	13.0	20.0	24.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**39.00**	**63.00**	**12.00**	**18.00**	**22.00**
Maximum	**49.00**	**80.00**	**15.00**	**23.00**	**28.00**
Average	**43.67**	**71.11**	**13.44**	**20.22**	**24.33**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603060155, 0145, 0140, 0110, 0103, 0134, 0128, 0122, 0117

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

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Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007007F, 7003F, 6998F, 6967F, 6961F, 6992F, 6986F, 6978F, 6974F**,**

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
05/01/2026	50.0	81.0	16.0	23.0	28.0
08/01/2026	46.0	74.0	14.0	21.0	26.0
12/01/2026	48.0	78.0	15.0	22.0	27.0
14/01/2026	42.0	68.0	13.0	19.0	23.0
15/01/2026	51.0	83.0	16.0	23.0	28.0
19/01/2026	41.0	66.0	13.0	19.0	23.0
23/01/2026	47.0	75.0	14.0	21.0	26.0
27/01/2026	41.0	66.0	13.0	19.0	23.0
29/01/2026	45.0	72.0	14.0	21.0	26.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**41.00**	**66.00**	**13.00**	**19.00**	**23.00**
Maximum	**51.00**	**83.00**	**16.00**	**23.00**	**28.00**
Average	**45.67**	**73.67**	**14.22**	**20.89**	**25.56**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603060152, 0148, 0143, 0112, 0106, 0137, 0131, 0123, 0119

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
05/01/2026	ND	ND	ND
08/01/2026	ND	ND	ND
12/01/2026	ND	ND	ND
14/01/2026	ND	ND	ND
15/01/2026	ND	ND	ND
19/01/2026	ND	ND	ND
23/01/2026	ND	ND	ND
27/01/2026	ND	ND	ND
29/01/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	**-**	**-**	**-**
Maximum	**-**	**-**	**-**
Average	**-**	**-**	**-**
NAAQM Standards	**-**	**-**	**-**
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007475F, 7469F, 7464F, 7456F, 7451F, 7370F, 7364F, 7966F,

Test Report Date: 10/03/2026, 16/03/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	41.0	67.0	12.0	18.0	14.0
03/02/2026	39.0	68.0	13.0	21.0	16.0
09/02/2026	42.0	71.0	11.0	15.0	12.0
13/02/2026	35.0	63.0	14.0	20.0	13.0
16/02/2026	37.0	69.0	12.0	16.0	13.0
19/02/2026	37.0	69.0	9.0	15.0	15.0
23/02/2026	40.0	63.0	13.0	19.0	14.0
26/02/2026	40	66	13.0	16.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**35.00**	**63.00**	**9.00**	**15.00**	**12.00**
Maximum	**42.00**	**71.00**	**14.00**	**21.00**	**16.00**
Average	**38.88**	**67.00**	**12.13**	**17.50**	**13.86**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100423, 0417, 0412, 0404, 0399, 0337, 0331, 0614,

Test Report Date: 10/03/2026, 16/03/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
02/02/2026	ND	ND	ND
No. of Observation	**9**	**9**	**9**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000748OF, 7474F, 7466F, 7462F, 7457F, 7375F, 7369F, 7363F

Test Report Date:

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	34.0	67.0	12.0	16.0	16.0
03/02/2026	41.0	72.0	10.0	16.0	16.0
09/02/2026	41.0	68.0	10.0	21.0	13.0
13/02/2026	41.0	65.0	9.0	21.0	13.0
16/02/2026	40.0	66.0	13.0	16.0	14.0
19/02/2026	41.0	67.0	10.0	21.0	14.0
23/02/2026	33.0	69.0	11.0	21.0	14.0
26/02/2026	34.0	69.0	13.0	21.0	14.0
No. of Observation	**9**	**9**	**9**	**9**	**9**
Minimum	**33.00**	**65.00**	**9.00**	**16.00**	**13.00**
Maximum	**41.00**	**72.00**	**13.00**	**21.00**	**16.00**
Average	**38.13**	**67.88**	**11.00**	**19.13**	**14.25**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100428, 0422, 0414, 0410, 0405, 0342, 0336, 0330**,**

Test Report Date:

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

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Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007476F, 7471F, 7463F, 7459F, 7454F, 7371F, 7366F, 7967F

Test Report Date: 10/03/2026, 16/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	37.0	73.0	13.0	14.0	17.0
03/02/2026	38.0	72.0	13.0	20.0	12.0
09/02/2026	37.0	66.0	13.0	15.0	14.0
13/02/2026	41.0	63.0	9.0	15.0	14.0
16/02/2026	36.0	66.0	12.0	15.0	17.0
19/02/2026	37.0	63.0	12.0	21.0	13.0
23/02/2026	37.0	65.0	9.0	21.0	18.0
26/02/2026	39.0	65.0	12.0	15.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**36.00**	**63.00**	**9.00**	**14.00**	**12.00**
Maximum	**41.00**	**73.00**	**13.00**	**21.00**	**18.00**
Average	**37.75**	**66.63**	**11.63**	**17.00**	**15.00**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

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Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100424, 0419, 0407, 0402, 0338, 0333, 0615**,**

Test Report Date: 10/03/2026, 16/03/2026

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007478F, 7473F, 7468F, 7461F, 7453F, 7372F, 7368F, 7361F

Test Report Date: 10/03/2026

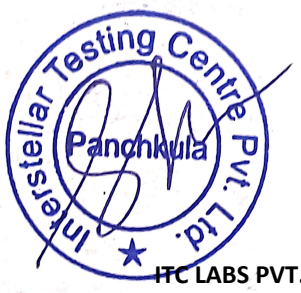
Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	37.0	71.0	13.0	18.0	13.0
03/02/2026	39.0	64.0	12.0	15.0	16.0
09/02/2026	39.0	72.0	11.0	16.0	12.0
13/02/2026	37.0	18.0	14.0	21.0	18.0
16/02/2026	37.0	67.0	9.0	21.0	13.0
19/02/2026	41.0	66.0	9.0	19.0	13.0
23/02/2026	38.0	64.0	13.0	21.0	15.0
26/02/2026	37.0	64.0	13.0	15.0	18.0
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**37.00**	**18.00**	**9.00**	**15.00**	**12.00**
Maximum	**41.00**	**72.00**	**14.00**	**21.00**	**18.00**
Average	**38.13**	**60.75**	**11.75**	**18.25**	**14.75**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

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Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100426, 0421, 0416, 0409, 0401, 0339, 0335, 0328

Test Report Date: 10/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000747 7F, 7470F, 7465F, 7458F, 7452F, 7373F, 7365F, 7360F

Test Report Date: 10/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	35.0	69.0	13.0	14.0	14.0
03/02/2026	36.0	71.0	13.0	15.0	14.0
09/02/2026	37.0	63.0	9.0	15.0	13.0
13/02/2026	40.0	67.0	12.0	15.0	14.0
16/02/2026	38.0	70.0	13.0	18.0	14.0
19/02/2026	42.0	70.0	13.0	21.0	12.0
23/02/2026	38.0	65.0	13.0	15.0	13.0
26/02/2026	37.0	67.0	10.0	17.0	13.0
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**35.00**	**63.00**	**9.00**	**14.00**	**12.00**
Maximum	**42.00**	**71.00**	**13.00**	**21.00**	**14.00**
Average	**37.88**	**67.75**	**12.00**	**16.25**	**13.38**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100425, 0418, 0413, 0406, 0400, 0340, 0332, 0327

Test Report Date: 10/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000747 9F, 7472F, 7467F, 7460F, 7455F, 7374F, 7367F, 7362F

Test Report Date: 10/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/02/2026	39.0	68.0	10.0	18.0	18.0
03/02/2026	43.0	68.0	13.0	16.0	17.0
09/02/2026	39.0	68.0	9.0	19.0	13.0
13/02/2026	33.0	69.0	10.0	22.0	13.0
16/02/2026	39.0	67.0	12.0	15.0	16.0
19/02/2026	38.0	63.0	9.0	19.0	18.0
23/02/2026	39.0	71.0	9.0	19.0	13.0
26/02/2026	42.0	64.0	10.0	16.0	15.0
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**33.00**	**63.00**	**9.00**	**15.00**	**13.00**
Maximum	**43.00**	**71.00**	**13.00**	**22.00**	**18.00**
Average	**39.00**	**67.25**	**10.25**	**18.00**	**15.38**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603100427, 0420, 0415, 0408, 0403, 0341, 0334, 0329

Test Report Date: 10/03/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/02/2026	ND	ND	ND
03/02/2026	ND	ND	ND
09/02/2026	ND	ND	ND
13/02/2026	ND	ND	ND
16/02/2026	ND	ND	ND
19/02/2026	ND	ND	ND
23/02/2026	ND	ND	ND
26/02/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008140F, 8133F, 8958F, 8952F, 9481F, 9475F, 0088F, 0082F

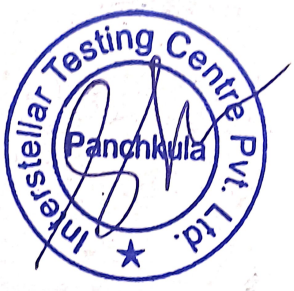
Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	37.0	65.0	10.0	16.0	BLQ(LOQ:20)
05/03/2026	38.0	61.0	9.0	19.0	BLQ(LOQ:20)
09/03/2026	33.0	57.0	15.0	11.0	BLQ(LOQ:20)
12/03/2026	40.0	56.0	16.0	17.0	BLQ(LOQ:20)
16/03/2026	47.0	64.0	19.0	22.0	BLQ(LOQ:20)
19/03/2026	36.0	57.0	19.0	22.0	BLQ(LOQ:20)
23/03/2026	43.0	60.0	19.0	22.0	BLQ(LOQ:20)
26/03/2026	42.0	61.0	17.0	24.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**33.00**	**56.00**	**9.00**	**11.00**	**-**
Maximum	**47.00**	**65.00**	**19.00**	**24.00**	**-**
Average	**39.50**	**60.13**	**15.50**	**19.13**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.



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Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170659, 0653, 1079, 1073, 1335, 1329, 0024, 0018

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008146F, 8139F, 8964F, 8957F, 9486F, 9480F, 0093F, 0087F

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

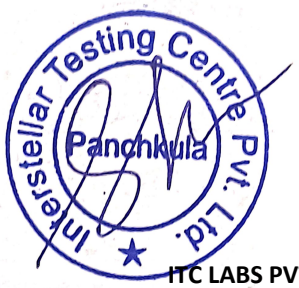
Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	37.0	64.0	11.0	14.0	BLQ(LOQ:20)
05/03/2026	37.0	67.0	14.0	22.0	BLQ(LOQ:20)
09/03/2026	39.0	59.0	12.0	16.0	BLQ(LOQ:20)
12/03/2026	34.0	56.0	15.0	17.0	BLQ(LOQ:20)
16/03/2026	42.0	61.0	20.0	26.0	BLQ(LOQ:20)
19/03/2026	42.0	61.0	20.0	26.0	BLQ(LOQ:20)
23/03/2026	38.0	58.0	18.0	21.0	BLQ(LOQ:20)
26/03/2026	40.0	58.0	20.0	22.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**34.00**	**56.00**	**11.00**	**14.00**	**-**
Maximum	**42.00**	**67.00**	**20.00**	**26.00**	**-**
Average	**38.63**	**60.50**	**16.25**	**20.50**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170664, 0658, 1085, 1078, 1340, 1334, 0029, 0023

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008141F, 8134F, 8959F, 8953F, 9482F, 9476F, 0089F, 0083F

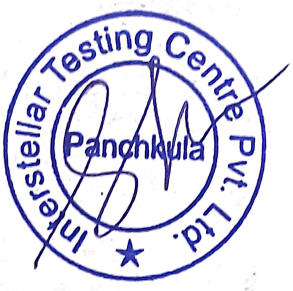
Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	37.0	67.0	14.0	16.0	BLQ(LOQ:20)
05/03/2026	35.0	66.0	10.0	15.0	BLQ(LOQ:20)
09/03/2026	35.0	58.0	16.0	13.0	BLQ(LOQ:20)
12/03/2026	37.0	59.0	10.0	17.0	BLQ(LOQ:20)
16/03/2026	34.0	56.0	13.0	18.0	BLQ(LOQ:20)
19/03/2026	49.0	67.0	14.0	18.0	BLQ(LOQ:20)
23/03/2026	42.0	63.0	21.0	25.0	BLQ(LOQ:20)
26/03/2026	34.0	56.0	20.0	24.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**34.00**	**56.00**	**10.00**	**13.00**	-
Maximum	**49.00**	**67.00**	**21.00**	**25.00**	-
Average	**37.88**	**61.50**	**14.75**	**18.25**	-
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.



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Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170660, 0654, 1080, 1074, 1336, 1330, 0025, 0019**,**

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	**:** Ambient Air Quality Monitoring
Purpose of Monitoring	**:** To Check the Pollution Load
Method of Sampling	**:** IS 5182 (Part 14)
Monitoring Conducted By	**:** Mr. Manas Satapathy
Sampling Duration (Hrs.)	**:** 24 Hrs.
Sampling Location	**:** TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008142F, 8136F, 8960F, 8956F, 9484F, 9478F, 0091F, 0085F,

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	35.0	63.0	13.0	15.0	BLQ(LOQ:20)
05/03/2026	33.0	64.0	13.0	16.0	BLQ(LOQ:20)
09/03/2026	32.0	58.0	16.0	17.0	BLQ(LOQ:20)
12/03/2026	38.0	57.0	16.0	18.0	BLQ(LOQ:20)
16/03/2026	45.0	62.0	17.0	20.0	BLQ(LOQ:20)
19/03/2026	45.0	63.0	16.0	19.0	BLQ(LOQ:20)
23/03/2026	41.0	62.0	19.0	24.0	BLQ(LOQ:20)
26/03/2026	37.0	60.0	18.0	22.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**32.00**	**57.00**	**13.00**	**15.00**	**-**
Maximum	**45.00**	**64.00**	**19.00**	**24.00**	**-**
Average	**38.25**	**61.13**	**16.00**	**18.88**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170661, 0656, 1081, 1077, 1338, 1332, 0027, 0021**,**

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008144F, 8135F, 8961F, 8954F, 9483F, 9477F, 0090F, 0084F

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	37.o	63.0	13.0	16.0	BLQ(LOQ:20)
05/03/2026	39.0	69.0	13.0	20.0	BLQ(LOQ:20)
09/03/2026	29.0	52.0	12.0	15.0	BLQ(LOQ:20)
12/03/2026	37.0	58.0	16.0	17.0	BLQ(LOQ:20)
16/03/2026	53.0	65.0	16.0	21.0	BLQ(LOQ:20)
19/03/2026	36.0	54.0	17.0	22.0	BLQ(LOQ:20)
23/03/2026	36.0	57.0	17.0	19.0	BLQ(LOQ:20)
26/03/2026	44.0	63.0	21.0	26.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**29.00**	**52.00**	**12.00**	**15.00**	**-**
Maximum	**53.00**	**69.00**	**21.00**	**26.00**	**-**
Average	**39.14**	**60.13**	**15.63**	**19.50**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170662, 0655, 1082, 1075, 1337, 1331, 0026, 0020

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000008145F, 8137F, 8962F, 8955F, 9485F, 9479F, 0092F, 0086F

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02/03/2026	36.0	63.0	10.0	15.0	BLQ(LOQ:20)
05/03/2026	37.0	70.0	10.0	22.0	BLQ(LOQ:20)
09/03/2026	35.0	57.0	16.0	14.0	BLQ(LOQ:20)
12/03/2026	37.0	56.0	10.0	17.0	BLQ(LOQ:20)
16/03/2026	39.0	58.0	15.0	17.0	BLQ(LOQ:20)
19/03/2026	44.0	63.0	17.0	20.0	BLQ(LOQ:20)
23/03/2026	40.0	61.0	20.0	23.0	BLQ(LOQ:20)
26/03/2026	41.0	59.0	16.0	20.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**35.00**	**56.00**	**10.00**	**14.00**	-
Maximum	**44.00**	**70.00**	**20.00**	**23.00**	-
Average	**38.63**	**60.88**	**14.25**	**18.50**	-
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2603170663, 0657, 1083, 1076, 1339, 1333, 0028, 0022
Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02/03/2026	ND	ND	ND
05/03/2026	ND	ND	ND
09/03/2026	ND	ND	ND
12/03/2026	ND	ND	ND
16/03/2026	ND	ND	ND
19/03/2026	ND	ND	ND
23/03/2026	ND	ND	ND
26/03/2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010917F, 1263F, 1254F, 1979F, 1986F, 2521F, 2527F, 2496F

Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	46.0	63.0	19.0	24.0	BLQ(LOQ:20)
06-04-2026	44.0	69.0	17.0	24.0	BLQ(LOQ:20)
09-04-2026	46.0	66.0	19.0	22.0	BLQ(LOQ:20)
13-04-2026	26.0	66.0	19.0	22.0	BLQ(LOQ:20)
16-04-2026	33.0	64.0	19.0	24.0	BLQ(LOQ:20)
20-04-2026	31.0	64.0	20.0	23.0	BLQ(LOQ:20)
23-04-2026	27.0	66.0	18.0	22.0	BLQ(LOQ:20)
27-04-2026	31.0	65.0	19.0	22.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**26.00**	**63.00**	**17.00**	**22.00**	**-**
Maximum	**46.00**	**69.00**	**20.00**	**24.00**	**-**
Average	**35.50**	**65.38**	**18.75**	**22.88**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140294, 0590, 0581, 0837, 0844, 0970, 0976, 0961
Test Report Date: 17/03/2026, 24/03/2026, 29/03/2026, 02/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Admin Building

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010922F, 1257F, 1264F, 1985F, 1981F, 2506F, 2522F, 2528F,

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	47.0	64.0	19.0	23.0	BLQ(LOQ:20)
06-04-2026	41.0	61.0	18.0	25.0	BLQ(LOQ:20)
09-04-2026	49.0	67.0	13.0	17.0	BLQ(LOQ:20)
13-04-2026	32.0	67.0	20.0	23.0	BLQ(LOQ:20)
16-04-2026	29.0	65.0	18.0	23.0	BLQ(LOQ:20)
20-04-2026	28.0	67.0	21.0	23.0	BLQ(LOQ:20)
23-04-2026	31.0	67.0	22.0	25.0	BLQ(LOQ:20)
27-04-2026	27.0	67.0	19.0	24.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**27.00**	**61.00**	**13.00**	**17.00**	**-**
Maximum	**49.00**	**67.00**	**22.00**	**25.00**	**-**
Average	**35.50**	**65.63**	**18.75**	**22.88**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140299, 0584, 0591, 0843, 0839, 0966, 0971, 0977
Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026,

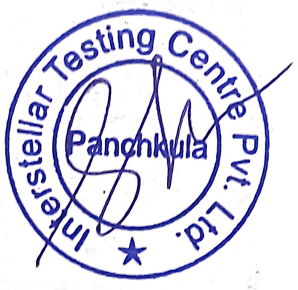
Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: HB Colony

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010918F, 1262F, 1255F, 1980F, 1975F, 2499F, 2526F, 2503F

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	48.0	65.0	18.0	25.0	BLQ(LOQ:20)
06-04-2026	48.0	67.0	18.0	23.0	BLQ(LOQ:20)
09-04-2026	48.0	65.0	20.0	21.0	BLQ(LOQ:20)
13-04-2026	29.0	63.0	21.0	25.0	BLQ(LOQ:20)
16-04-2026	32.0	65.0	21.0	24.0	BLQ(LOQ:20)
20-04-2026	30.0	66.0	21.0	24.0	BLQ(LOQ:20)
23-04-2026	28.0	65.0	17.0	23.0	BLQ(LOQ:20)
27-04-2026	30.0	64.0	18.0	23.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**28.00**	**63.00**	**17.00**	**21.00**	**-**
Maximum	**48.00**	**67.00**	**21.00**	**25.00**	**-**
Average	**36.63**	**65.00**	**19.25**	**23.50**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140295, 0589, 0582, 0838, 0833, 0964, 0975, 0965,
Test Report Date: 14/04/2026, 16/04/2026. 25/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: TFL Guest House

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010920F, 1260F, 1258F, 1983F, 1977F, 2498F, 2524F, 2520F,

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	45.0	68.0	16.0	27.0	BLQ(LOQ:20)
06-04-2026	45.0	66.0	15.0	22.0	BLQ(LOQ:20)
09-04-2026	47.0	69.0	15.0	22.0	BLQ(LOQ:20)
13-04-2026	29.0	67.0	20.0	22.0	BLQ(LOQ:20)
16-04-2026	31.0	68.0	21.0	23.0	BLQ(LOQ:20)
20-04-2026	29.0	69.0	19.0	20.0	BLQ(LOQ:20)
23-04-2026	30.0	63.0	19.0	22.0	BLQ(LOQ:20)
27-04-2026	31.0	69.0	21.0	23.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**29.00**	**63.00**	**15.00**	**20.00**	**-**
Maximum	**47.00**	**69.00**	**21.00**	**27.00**	**-**
Average	**35.88**	**67.38**	**18.25**	**22.63**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140297, 0587, 0585, 0841, 0835, 0963, 0973, 0969
Test Report Date: 14/04/2026, 16/04/2026,, 25/04/2026, 30/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Balanda Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010919F, 1261F, 1256F, 1982F, 1976F, 2497F, 2525F, 2519F

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	45.0	62.0	16.0	23.0	BLQ(LOQ:20)
06-04-2026	46.0	65.0	16.0	21.0	BLQ(LOQ:20)
09-04-2026	43.0	66.0	16.0	24.0	BLQ(LOQ:20)
13-04-2026	27.0	65.0	19.0	22.0	BLQ(LOQ:20)
16-04-2026	29.0	63.0	19.0	25.0	BLQ(LOQ:20)
20-04-2026	33.0	63.0	21.0	24.0	BLQ(LOQ:20)
23-04-2026	28.0	67.0	19.0	23.0	BLQ(LOQ:20)
27-04-2026	29.0	63.0	19.0	24.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**27.00**	**62.00**	**16.00**	**21.00**	**-**
Maximum	**46.00**	**67.00**	**21.00**	**25.00**	**-**
Average	**35.00**	**64.25**	**18.13**	**23.25**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140296, 0588, 0583, 0840, 0834, 0962, 0974, 0968

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Karnapur Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000010921F, 1259F, 1265F, 1984F, 1978F, 2509F, 2523F, 2529F

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**				
	Particulate Matter (PM 2.5) µg/m³	**Particulate Matter (PM 10) µg/m³**	**Sulphur Dioxide (as SO2) µg/m³**	**Nitrogen Dioxide (as NO2) µg/m³**	**Ammonia (as NH3) µg/m³**
02-04-2026	49.0	67.0	17.0	26.0	BLQ(LOQ:20)
06-04-2026	42.0	62.0	19.0	26.0	BLQ(LOQ:20)
09-04-2026	45.0	68.0	14.0	21.0	BLQ(LOQ:20)
13-04-2026	31.0	65.0	21.0	24.0	BLQ(LOQ:20)
16-04-2026	33.0	67.0	19.0	24.0	BLQ(LOQ:20)
20-04-2026	27.0	68.0	17.0	21.0	BLQ(LOQ:20)
23-04-2026	32.0	65.0	17.0	21.0	BLQ(LOQ:20)
27-04-2026	29.0	68.0	18.0	23.0	BLQ(LOQ:20)
No. of Observation	**8**	**8**	**8**	**8**	**8**
Minimum	**27.00**	**62.00**	**14.00**	**21.00**	**-**
Maximum	**49.00**	**68.00**	**21.00**	**26.00**	**-**
Average	**36.00**	**66.25**	**17.75**	**23.25**	**-**
NAAQM Standards	**60**	**100**	**80**	**80**	**400**
Test Method	**IS: 5182 (P-24)-2019**	**IS:5182 (P-23): 2017**	**IS: 5182 (P-2): 2017**	**IS:5182 (P-6): 2017**	**IS: 5182 (P-25): 2018**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No.: TR01EN-2604140298, 0586, 0592, 0842, 0836, 0967, 0972, 0978

Test Report Date: 14/04/2026, 16/04/2026, 25/04/2026, 30/04/2026,

Sample Particulars	
Nature of Samples	: Ambient Air Quality Monitoring
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Monitoring Conducted By	: Mr. Manas Satapathy
Sampling Duration (Hrs.)	: 24 Hrs.
Sampling Location	: Kukudang Village

Analysis Report

Date of Sampling	**Concentration of Pollutants**		
	VOCs ppm	**Methane HC ppm**	**Non Methane HC ppm**
02-04-2026	ND	ND	ND
06-04-2026	ND	ND	ND
09-04-2026	ND	ND	ND
13-04-2026	ND	ND	ND
16-04-2026	ND	ND	ND
20-04-2026	ND	ND	ND
23-04-2026	ND	ND	ND
27-04-2026	ND	ND	ND
No. of Observation	**8**	**8**	**8**
Minimum	-	-	-
Maximum	-	-	-
Average	-	-	-
NAAQM Standards	-	-	-
Test Method	**Inhouse Method**	**ASTM D7833-20**	**ASTM D7833-20**

Remarks: NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirement as per NAAQS 2009. Sampling Procedure: SOP/ITC/EW/056.

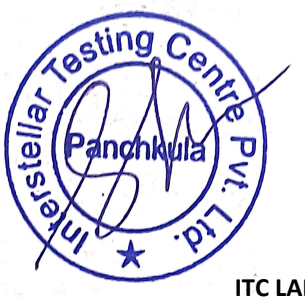
Interstellar Testing Centre Pvt. Ltd. Panchkula

Baseline Monitoring Report Results

NOISE REPORTS

(November-2025 to April-2026)

Talcher Fertilizers



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007,1710950FF, 7271F, 7318F, 7417F, 7519F, 7600F, 7655F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-1, TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	54.2	39.6	IS 9989
2	06/11/2025	52.6	44.1	IS 9989
3	10/11/2025	49.6	42.5	IS 9989
4	13/11/2025	50.6	41.9	IS 9989
5	17/11/2025	51.7	37.5	IS 9989
6	20/11/2025	48.5	36.9	IS 9989
7	24/11/2025	47.6	39.4	IS 9989
8	27/11/2025	48.2	42.8	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007106F ,7191F, 7272F, 7319F, 7418F, 7520F, 7601F, 7656F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-2, H.B.Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	53.5	42.6	IS 9989
2	06/11/2025	52.4	38.9	IS 9989
3	10/11/2025	49.5	36.4	IS 9989
4	13/11/2025	49.1	37.5	IS 9989
5	17/11/2025	53.6	42.6	IS 9989
6	20/11/2025	54.1	40.9	IS 9989
7	24/11/2025	52.9	38.5	IS 9989
8	27/11/2025	48.5	39.4	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007171O972FF, 7273F, 7320F, 7419F, 7521F 7602F, 7657F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	**:** Ambient Noise
Purpose of Monitoring	**:** To Check the Pollution Loads
Method of Sampling	**:** IS 9989
Instrument Used	**:** Sound Level Meter
Sampling Location	**:** N-3, TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	53.6	41.1	IS 9989
2	06/11/2025	52.4	41.9	IS 9989
3	10/11/2025	50.0	43.5	IS 9989
4	13/11/2025	49.5	42.5	IS 9989
5	17/11/2025	46.8	39.4	IS 9989
6	20/11/2025	47.9	35.9	IS 9989
7	24/11/2025	51.6	38.5	IS 9989
8	27/11/2025	52.9	40.9	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500007,1710983FF,
7274F, 7321F, 7420F, 7522F 7603F, 7658F
Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-4, Balanda House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	52.6	42.3	IS 9989
2	06/11/2025	51.6	40.4	IS 9989
3	10/11/2025	49.5	37.5	IS 9989
4	13/11/2025	52.3	39.4	IS 9989
5	17/11/2025	51.6	38.2	IS 9989
6	20/11/2025	49.5	40.6	IS 9989
7	24/11/2025	46.8	42.7	IS 9989
8	27/11/2025	47.4	41.9	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007171O994FF, 7275F, 7322F, 7421F, 7523F, 7604F, 7659F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	**:** Ambient Noise
Purpose of Monitoring	**:** To Check the Pollution Loads
Method of Sampling	**:** IS 9989
Instrument Used	**:** Sound Level Meter
Sampling Location	**:** N-5, Kamapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	53.5	40.8	IS 9989
2	06/11/2025	51.9	36.5	IS 9989
3	10/11/2025	52.8	38.9	IS 9989
4	13/11/2025	46.5	35.6	IS 9989
5	17/11/2025	45.7	40.3	IS 9989
6	20/11/2025	50.9	42.9	IS 9989
7	24/11/2025	51.9	39.5	IS 9989
8	27/11/2025	53.5	43.2	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007110F ,7195F, 7276F, 7323F, 7422F, 7524F, 7605F, 7660F

Test Report Date: 08/12/2025

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-6, Kukudanga Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	03/11/2025	52.5	43.5	IS 9989
2	06/11/2025	42.9	42.9	IS 9989
3	10/11/2025	48.5	36.7	IS 9989
4	13/11/2025	49.1	38.5	IS 9989
5	17/11/2025	51.5	39.4	IS 9989
6	20/11/2025	53.4	40.6	IS 9989
7	24/11/2025	51.9	41.8	IS 9989
8	27/11/2025	50.5	40.5	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007758F,7801F, 7874F, 7920F, 8012F, 8065F, 8204F, B314F, 8416F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	**:** Ambient Noise
Purpose of Monitoring	**:** To Check the Pollution Loads
Method of Sampling	**:** IS 9989
Instrument Used	**:** Sound Level Meter
Sampling Location	**:** N1, TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	52.5	39.6	IS 9989
2	04/12/2025	53.8	43.3	IS 9989
3	08/12/2025	48.6	43.4	IS 9989
4	11/12/2025	51.5	40.5	IS 9989
5	15/12/2025	52.9	36.6	IS 9989
6	18/12/2025	49.2	38.9	IS 9989
7	22/12/2025	50.6	41.2	IS 9989
8	26/12/2025	48.1	43.9	IS 9989
9	29/12/2025	49.3	42.5	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007759F 7802F, 7875F, 7921F, 8013F, 8066F 8205F, 8315F, 8417F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-2, H.B. Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	54.4	41.3	IS 9989
2	04/12/2025	51.3	40.5	IS 9989
3	08/12/2025	47.6	38.6	IS 9989
4	11/12/2025	51.2	39.6	IS 9989
5	15/12/2025	52.8	43.3	IS 9989
6	18/12/2025	51.9	41.5	IS 9989
7	22/12/2025	53.5	39.6	IS 9989
8	26/12/2025	49.6	40.1	IS 9989
9	29/12/2025	53	42.8	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007760F ,7803F, 7876F, 7922F, 8014F, 8067F , 8206F, 8316F, 8418F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-3, TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	52.3	42.3	IS 9989
2	04/12/2025	51.2	40.6	IS 9989
3	08/12/2025	51.6	42.4	IS 9989
4	11/12/2025	50.4	43.7	IS 9989
5	15/12/2025	48.9	40.1	IS 9989
6	18/12/2025	49.7	36.9	IS 9989
7	22/12/2025	52.5	37.2	IS 9989
8	26/12/2025	54.8	41.5	IS 9989
9	29/12/2025	53.8	43.5	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007761F 7804F, 7877F, 7923F, 8015F, 8068F, 8207F, 8317F, B419F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-4, Balanda House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	51.5	41.6	IS 9989
2	04/12/2025	52.4	41.7	IS 9989
3	08/12/2025	48.4	38.3	IS 9989
4	11/12/2025	51.2	40.6	IS 9989
5	15/12/2025	50.3	39.6	IS 9989
6	18/12/2025	48.7	41.4	IS 9989
7	22/12/2025	48.6	43.8	IS 9989
8	26/12/2025	48.6	39.8	IS 9989
9	29/12/2025	53.6	38.9	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007762F 7805F, 7878F, 7924F, 8016F, 8069F . 8208F, 8318F, 8420F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-5, Karnapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	52.3	41.4	IS 9989
2	04/12/2025	50.6	37.9	IS 9989
3	08/12/2025	51.7	40.5	IS 9989
4	11/12/2025	47.6	36.8	IS 9989
5	15/12/2025	48.8	41.5	IS 9989
6	18/12/2025	49.5	43.8	IS 9989
7	22/12/2025	52.5	38.3	IS 9989
8	26/12/2025	54.8	42.8	IS 9989
9	29/12/2025	53.5	41.2	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148142500007763F 7806F, 7879F, 7925F, 8017F, 8070F, 8209F,8319F, 8421F

Test Report Date: 07/01/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N-6, Kukudanga Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/12/2025	51.5	42.6	IS 9989
2	04/12/2025	52.5	41.7	IS 9989
3	08/12/2025	47.3	35.5	IS 9989
4	11/12/2025	48.3	37.2	IS 9989
5	15/12/2025	50.2	40.1	IS 9989
6	18/12/2025	51.2	41.7	IS 9989
7	22/12/2025	49.0	40.5	IS 9989
8	26/12/2025	58.1	42.3	IS 9989
9	29/12/2025	59.5	43.8	IS 9989

Note: The Noise Ambient Air Quality Standards are given for reference.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N1-TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	63.3	49.8	IS:9989(RA 2023)
2	08/01/2026	61.2	52.2	IS:9989(RA 2023)
3	12/01/2026	62.2	50.1	IS:9989(RA 2023)
4	14/01/2026	68.3	64.0	IS:9989(RA 2023)
5	15/01/2026	62.2	49.3	IS:9989(RA 2023)
6	19/01/2026	56.3	52.1	IS:9989(RA 2023)
7	23/01/2026	60.3	50.1	IS:9989(RA 2023)
8	27/01/2026	61.3	52.7	IS:9989(RA 2023)
9	29/01/2026	59.2	50.2	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056. Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N2-HB Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	61.1	49.5	IS:9989(RA 2023)
2	08/01/2026	58.2	48.2	IS:9989(RA 2023)
3	12/01/2026	59.9	50.1	IS:9989(RA 2023)
4	14/01/2026	62.2	51.8	IS:9989(RA 2023)
5	15/01/2026	60.3	52.1	IS:9989(RA 2023)
6	19/01/2026	58.3	47.5	IS:9989(RA 2023)
7	23/01/2026	59.2	48.3	IS:9989(RA 2023)
8	27/01/2026	58.3	51.7	IS:9989(RA 2023)
9	29/01/2026	61.3	51.3	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N3-TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	61.1	49.5	IS:9989(RA 2023)
2	08/01/2026	62.2	52.9	IS:9989(RA 2023)
3	12/01/2026	62.3	51.6	IS:9989(RA 2023)
4	14/01/2026	56.7	54.6	IS:9989(RA 2023)
5	15/01/2026	63.3	48.7	IS:9989(RA 2023)
6	19/01/2026	56.3	52.1	IS:9989(RA 2023)
7	23/01/2026	58.4	47.8	IS:9989(RA 2023)
8	27/01/2026	59.2	47.7	IS:9989(RA 2023)
9	29/01/2026	61.4	53.4	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

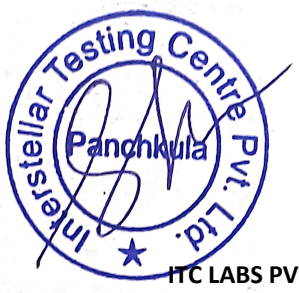
Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N4-Balanda Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	62.3	51.4	IS:9989(RA 2023)
2	08/01/2026	63.1	46.2	IS:9989(RA 2023)
3	12/01/2026	58.9	46.5	IS:9989(RA 2023)
4	14/01/2026	66.5	64.1	IS:9989(RA 2023)
5	15/01/2026	58.1	48.3	IS:9989(RA 2023)
6	19/01/2026	61.2	47.3	IS:9989(RA 2023)
7	23/01/2026	56.3	46.2	IS:9989(RA 2023)
8	27/01/2026	57.2	48.3	IS:9989(RA 2023)
9	29/01/2026	58.7	50.3	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40



Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	**:** Ambient Noise
Purpose of Monitoring	**:** To Check the Pollution Loads
Method of Sampling	**:** IS 9989
Instrument Used	**:** Sound Level Meter
Sampling Location	**:**N5- Karnapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	64.5	52.4	IS:9989(RA 2023)
2	08/01/2026	55.6	50.1	IS:9989(RA 2023)
3	12/01/2026	61.7	51.5	IS:9989(RA 2023)
4	14/01/2026	65.7	62.3	IS:9989(RA 2023)
5	15/01/2026	46.7	58.2	IS:9989(RA 2023)
6	19/01/2026	57.3	49.3	IS:9989(RA 2023)
7	23/01/2026	57.8	48.3	IS:9989(RA 2023)
8	27/01/2026	58.3	49.2	IS:9989(RA 2023)
9	29/01/2026	64.1	51.2	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000006955F, 6956F, 6954F, 6953F, 6951F, 6950F, 6949F, 6948F, 6947F

Test Report Date: 06/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N6-Kukudang Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	05/01/2026	63.2	53.1	IS:9989(RA 2023)
2	08/01/2026	61.4	51.1	IS:9989(RA 2023)
3	12/01/2026	61.2	48.2	IS:9989(RA 2023)
4	14/01/2026	62.3	55.3	IS:9989(RA 2023)
5	15/01/2026	58.2	51.7	IS:9989(RA 2023)
6	19/01/2026	62.2	51.3	IS:9989(RA 2023)
7	23/01/2026	62.2	53.1	IS:9989(RA 2023)
8	27/01/2026	61.3	52.7	IS:9989(RA 2023)
9	29/01/2026	61.2	47.3	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007738F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N1-TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	59.7	53.6	IS:9989(RA 2023)
2	03/02/2026	59.8	53.2	IS:9989(RA 2023)
3	09/02/2026	59.7	54.3	IS:9989(RA 2023)
4	13/02/2026	59.8	53.7	IS:9989(RA 2023)
5	16/02/2026	59.9	53.1	IS:9989(RA 2023)
6	19/02/2026	59.5	53.5	IS:9989(RA 2023)
7	23/02/2026	60.0	53.5	IS:9989(RA 2023)
8	26/02/2026	59.6	54.3	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000773 8F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N2-HB Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	60.1	53.5	IS:9989(RA 2023)
2	03/02/2026	60.1	52.9	IS:9989(RA 2023)
3	09/02/2026	59.5	52.8	IS:9989(RA 2023)
4	13/02/2026	59.8	52.7	IS:9989(RA 2023)
5	16/02/2026	59.9	52.6	IS:9989(RA 2023)
6	19/02/2026	59.8	54.7	IS:9989(RA 2023)
7	23/02/2026	59.9	53.5	IS:9989(RA 2023)
8	26/02/2026	59.5	53.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000738F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N3-TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	59.3	53.0	IS:9989(RA 2023)
2	03/02/2026	59.6	52.9	IS:9989(RA 2023)
3	09/02/2026	59.7	52.8	IS:9989(RA 2023)
4	13/02/2026	59.9	53.3	IS:9989(RA 2023)
5	16/02/2026	59.1	53.0	IS:9989(RA 2023)
6	19/02/2026	60.2	53.3	IS:9989(RA 2023)
7	23/02/2026	60.0	53.5	IS:9989(RA 2023)
8	26/02/2026	59.4	53.8	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007738F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N4-Balanda Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	60.1	52.2	IS:9989(RA 2023)
2	03/02/2026	60.1	52.5	IS:9989(RA 2023)
3	09/02/2026	59.2	52.3	IS:9989(RA 2023)
4	13/02/2026	59.8	52.6	IS:9989(RA 2023)
5	16/02/2026	59.6	53.6	IS:9989(RA 2023)
6	19/02/2026	59.9	53.6	IS:9989(RA 2023)
7	23/02/2026	59.6	54.0	IS:9989(RA 2023)
8	26/02/2026	59.7	53.6	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007738F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N5-Karnapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	60.0	52.6	IS:9989(RA 2023)
2	03/02/2026	59.9	53.1	IS:9989(RA 2023)
3	09/02/2026	59.3	53.2	IS:9989(RA 2023)
4	13/02/2026	59.8	53.2	IS:9989(RA 2023)
5	16/02/2026	59.5	53.4	IS:9989(RA 2023)
6	19/02/2026	59.6	52.8	IS:9989(RA 2023)
7	23/02/2026	59.5	53.2	IS:9989(RA 2023)
8	26/02/2026	59.6	53.4	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007738F, 07737F, 7735F, 7736F, 7734F, 7733F, 7732F, 7731F

Test Report Date: 12/03/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N6-Kukudang Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/02/2026	59.9	53.0	IS:9989(RA 2023)
2	03/02/2026	59.4	52.0	IS:9989(RA 2023)
3	09/02/2026	60.0	52.5	IS:9989(RA 2023)
4	13/02/2026	59.9	53.1	IS:9989(RA 2023)
5	16/02/2026	59.8	52.7	IS:9989(RA 2023)
6	19/02/2026	59.9	52.7	IS:9989(RA 2023)
7	23/02/2026	59.9	53.5	IS:9989(RA 2023)
8	26/02/2026	59.4	53.4	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000 7872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F

Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N1-TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	70.1	65.8	IS:9989(RA 2023)
2	05/03/2026	69.0	64.9	IS:9989(RA 2023)
3	09/03/2026	55.7	46.8	IS:9989(RA 2023)
4	12/03/2026	55.7	46.2	IS:9989(RA 2023)
5	16/03/2026	55.4	45.7	IS:9989(RA 2023)
6	19/03/2026	55.1	47.1	IS:9989(RA 2023)
7	23/03/2026	55.7	46.2	IS:9989(RA 2023)
8	26/03/2026	60.0	53.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000 7872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F

Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N2-HB Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	61.5	59.6	IS:9989(RA 2023)
2	05/03/2026	62.1	59.3	IS:9989(RA 2023)
3	09/03/2026	55.5	46.4	IS:9989(RA 2023)
4	12/03/2026	55.5	46.4	IS:9989(RA 2023)
5	16/03/2026	55.1	46.4	IS:9989(RA 2023)
6	19/03/2026	55.9	45.5	IS:9989(RA 2023)
7	23/03/2026	55.5	46.2	IS:9989(RA 2023)
8	26/03/2026	59.9	53.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000 7872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F

Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N3-TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	56.5	54.4	IS:9989(RA 2023)
2	05/03/2026	69.0	64.9	IS:9989(RA 2023)
3	09/03/2026	55.7	46.8	IS:9989(RA 2023)
4	12/03/2026	55.1	47.1	IS:9989(RA 2023)
5	16/03/2026	55.4	45.7	IS:9989(RA 2023)
6	19/03/2026	55.1	47.1	IS:9989(RA 2023)
7	23/03/2026	55.1	47.1	IS:9989(RA 2023)
8	26/03/2026	60.3	53.2	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F
Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N4-Balanda Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	67.7	65.8	IS:9989(RA 2023)
2	05/03/2026	65.3	63.7	IS:9989(RA 2023)
3	09/03/2026	53.7	48.3	IS:9989(RA 2023)
4	12/03/2026	54.7	48.3	IS:9989(RA 2023)
5	16/03/2026	54.8	48.3	IS:9989(RA 2023)
6	19/03/2026	55.0	43.9	IS:9989(RA 2023)
7	23/03/2026	54.7	48.3	IS:9989(RA 2023)
8	26/03/2026	59.6	54.0	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC148962600000 7872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F

Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N5-Karnapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	65.8	61.7	IS:9989(RA 2023)
2	05/03/2026	65.9	61.5	IS:9989(RA 2023)
3	09/03/2026	46.9	55.9	IS:9989(RA 2023)
4	12/03/2026	53.2	46.4	IS:9989(RA 2023)
5	16/03/2026	55.7	46.4	IS:9989(RA 2023)
6	19/03/2026	54.0	47.1	IS:9989(RA 2023)
7	23/03/2026	53.2	46.4	IS:9989(RA 2023)
8	26/03/2026	53.2	59.9	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000007872F, 7871F, 8632F, 8631F, 0095F, 0094F, 0081F, 0080F

Test Report Date: 02/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N6-Kukudang Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/03/2026	69.7	63.6	IS:9989(RA 2023)
2	05/03/2026	68.5	64.6	IS:9989(RA 2023)
3	09/03/2026	55.9	45.5	IS:9989(RA 2023)
4	12/03/2026	54.5	45.5	IS:9989(RA 2023)
5	16/03/2026	53.4	45.4	IS:9989(RA 2023)
6	19/03/2026	55.7	46.4	IS:9989(RA 2023)
7	23/03/2026	54.5	45.5	IS:9989(RA 2023)
8	26/03/2026	59.9	53.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F

Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N1-TFL Admin Building

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	61.7	59.4	IS:9989(RA 2023)
2	06/04/2026	61.9	60.5	IS:9989(RA 2023)
3	09/04/2026	60.2	56.9	IS:9989(RA 2023)
4	13/04/2026	59.4	59.1	IS:9989(RA 2023)
5	16/04/2026	62.4	60.3	IS:9989(RA 2023)
6	20/04/2026	65.6	63.9	IS:9989(RA 2023)
7	23/04/2026	64.9	62.3	IS:9989(RA 2023)
8	27/04/2026	65.7	63.4	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F
Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N2-HB Colony

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	58.5	63.4	IS:9989(RA 2023)
2	06/04/2026	56.3	64.0	IS:9989(RA 2023)
3	09/04/2026	53.8	62.9	IS:9989(RA 2023)
4	13/04/2026	53.8	58.8	IS:9989(RA 2023)
5	16/04/2026	56.6	61.7	IS:9989(RA 2023)
6	20/04/2026	59.4	64.5	IS:9989(RA 2023)
7	23/04/2026	58.6	63.4	IS:9989(RA 2023)
8	27/04/2026	59.5	64.6	IS:9989(RA 2023)

Talcher Fertilizers

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F

Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N3-TFL Guest House

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	56.6	54.7	IS:9989(RA 2023)
2	06/04/2026	61.9	60.5	IS:9989(RA 2023)
3	09/04/2026	54.4	52.9	IS:9989(RA 2023)
4	13/04/2026	53.9	57.5	IS:9989(RA 2023)
5	16/04/2026	56.6	54.9	IS:9989(RA 2023)
6	20/04/2026	59.4	64.5	IS:9989(RA 2023)
7	23/04/2026	58.3	56.9	IS:9989(RA 2023)
8	27/04/2026	59.5	57.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F
Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N4-Balanda Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	66.4	64.8	IS:9989(RA 2023)
2	06/04/2026	67.6	64.4	IS:9989(RA 2023)
3	09/04/2026	65.4	63.6	IS:9989(RA 2023)
4	13/04/2026	63.6	61.9	IS:9989(RA 2023)
5	16/04/2026	66.7	64.3	IS:9989(RA 2023)
6	20/04/2026	69.4	67.7	IS:9989(RA 2023)
7	23/04/2026	68.3	66.5	IS:9989(RA 2023)
8	27/04/2026	69.7	67.6	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F
Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N5-Karnapur Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	59.6	55.5	IS:9989(RA 2023)
2	06/04/2026	59.4	55.9	IS:9989(RA 2023)
3	09/04/2026	59.4	55.9	IS:9989(RA 2023)
4	13/04/2026	56.8	52.9	IS:9989(RA 2023)
5	16/04/2026	59.4	55.9	IS:9989(RA 2023)
6	20/04/2026	63.8	58.6	IS:9989(RA 2023)
7	23/04/2026	62.9	57.4	IS:9989(RA 2023)
8	27/04/2026	58.9	66.3	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited

Post Vikrampur, Dist. Anugul – 759106, Odisha, India

ULR No: TC1489626000011064F, 1931F, 1930F, 1929F, 2448F, 2451F, 2450F, 2480F
Test Report Date: 15/04/2026

Sample Particulars	
Nature of Samples	: Ambient Noise
Purpose of Monitoring	: To Check the Pollution Loads
Method of Sampling	: IS 9989
Instrument Used	: Sound Level Meter
Sampling Location	: N6-Kukudang Village

Analysis Report

Sr. No.	Date of Sampling	Test Result dB(A) Day Time	Test Result dB(A) Night Time	Test Method
1	02/04/2026	63.7	59.9	IS:9989(RA 2023)
2	06/04/2026	64.1	59.3	IS:9989(RA 2023)
3	09/04/2026	62.9	55.7	IS:9989(RA 2023)
4	13/04/2026	60.3	56.7	IS:9989(RA 2023)
5	16/04/2026	63.5	59.4	IS:9989(RA 2023)
6	20/04/2026	66.3	62.6	IS:9989(RA 2023)
7	23/04/2026	65.7	61.5	IS:9989(RA 2023)
8	27/04/2026	66.3	62.5	IS:9989(RA 2023)

Note: NA- Not Applicable, Requirements as per EPA ACT 1986/PCLS/02/2021 Sampling Procedure: SOP/ITC/EW/056.Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs.

Area Code	Category of Area	Limits dB(A) Leq	
		Day Time (6 Am – 10 Pm)	Night Time (10 Pm – 6 Am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

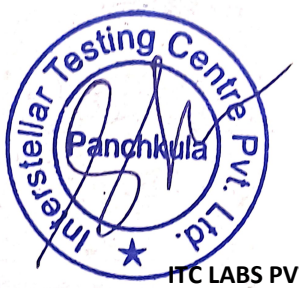
Interstellar Testing Centre Pvt. Ltd. Panchkula

Baseline Monitoring Report Results

GROUND WATER & SURFACE WATER REPORTS

(November-2025 to April-2026)

Talcher Fertilizers



Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC148142500007436F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	24/11/2025
Test Started on	24/11/2025
Test Completed	01/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	20/11/2025
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.49	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	25.8	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	250	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	140	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	110	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	64	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	25.50	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.16	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	38	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	10.93	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	ND	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.08	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	ND	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	44.60	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.54	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-	-	IS:3025
26	Total Suspended Solids	mg/l	ND	-	-	IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: 202511200110
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	24/11/2025
Test Started on	24/11/2025
Test Completed	01/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	20/11/2025
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	9.90	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	<2	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC148142500007437F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	1 Litre, Pet Bottle
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.46	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	24.5	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	260	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	150	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	130	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	70	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	22.50	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.35	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	42	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	10.93	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.13	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.13	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.26	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	49.60	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.02	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-		IS:3025
26	Total Suspended Solids	mg/l	ND	-		IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: 20251120111
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	1 Litre, Pet Bottle
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	10.30	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	<2	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC148142500007438F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	1 Litre, Pet Bottle
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.38	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	26.1	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	270	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	160	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	130	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	94	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	23.30	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.69	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	44	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	12.15	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.08	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.17	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.20	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	50.50	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.30	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-		IS:3025
26	Total Suspended Solids	mg/l	ND	-		IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: 202511200112
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	1 Litre, Pet Bottle
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	13.80	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	<2	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC148142500007439F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	7.54	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	25.5	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	230	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	120	-	-	-	-	IS:3025(P-21)
7	Total Alkalinity as CaCO3	mg/l	100	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	56	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	17.70	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	2.30	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	30	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	10.93	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.10	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.09	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.20	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	42.50	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.98	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	4	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	6.1	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	5	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	24	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100ml	500	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

ITC LABS PVT. LTD.

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500007440F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	7.64	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	25.8	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	315	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	150	-	-	-	-	IS:3025(P-21)
7	Total Alkalinity as CaCO3	mg/l	130	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	90	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	26.70	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	5.40	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	50	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	6.07	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.14	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.19	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.26	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	32.50	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.09	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	10	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	6.0	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	4	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	20	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100 ml	900	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500007441F
Test Report Date: 02/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	24/11/2025
Sample Received at Lab	24/11/2025
Test Started on	01/12/2025
Test Completed	SOP/B/D-3
Method of Sampling	20/11/2025
Date of Sampling	1 Litre, Pet Bottle
Place of Sampling	SW3-River Near PTBS Thermal Area

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	7.69	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	24.6	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	229	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	120	-	-	-	-	IS:3025(P-21)
7	Total Alkalinity as CaCO3	mg/l	100	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	68	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	20.90	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	2.60	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	36	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	7.29	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.14	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.14	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.24	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	43.7	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.15	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	6	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	6.4	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	5	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	26	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100 ml	350	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008072F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2026
Test Started on	22/12/2026
Test Completed	27/12/2026
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.56	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	25.4	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	214	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	120	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	120	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	60	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	24.6	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.14	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	36	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	7.29	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.10	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.07	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	ND	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	52.85	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.56	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-	-	IS:3025
26	Total Suspended Solids	mg/l	ND	-	-	IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: 202512180110
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	8.2	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	Absent	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008073F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.36	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	25.1	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	280	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	140	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	110	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	66	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	20.5	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.32	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	40	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	9.72	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.11	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.10	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.26	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	57.36	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.86	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-	-	IS:3025
26	Total Suspended Solids	mg/l	ND	-	-	IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: 202512180111
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	9.12	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	Absent	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008074F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.32	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	<5	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<1	1	5	APHA 23rd Ed.
4	Temperature	°C	26.1	-	-	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	260	500	2000	IS:3025 (P-16)
6	Total Hardness as ($CaCO_3$)	mg/l	150	200	600	IS:3025 (P-21)
7	Total Alkalinity as $CaCO_3$	mg/l	120	200	600	IS:3025 (P-23)
8	Chloride as Cl	mg/l	91	250	1000	IS:3025 (P-32)
9	Sulphate as SO_4	mg/l	20.39	200	400	APHA 23rd Ed.
10	Nitrate as NO_3	mg/l	0.60	45	No Relaxation	IS:3025 (P-34)
11	Calcium as Ca	mg/l	42	75	200	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	10.93	30	100	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.05	1.0	1.5	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.15	0.3	No Relaxation	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	0.1	0.3	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	0.05	No Relaxation	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.01	No Relaxation	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.20	5	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND	0.003	No Relaxation	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND	0.05	1.5	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	0.02	No Relaxation	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.01	0.05	APHA 23rd Ed.
23	Sodium as Na	mg/l	58.40	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.26	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	-	-	IS:3025
26	Total Suspended Solids	mg/l	ND	-	-	IS:3025

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: 20251280112
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Taste	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-8)
2	Silica	mg/l	10.36	-	-	APHA 23rd Ed.
3	P Alkalinity as $CaCO_3$	mg/l	BDL	-	-	IS:3025 (P-23)
4	Total Coliform	MPN/100 ml	Absent	Absent	Absent	IS 1622
5	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008075F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	7.36	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	25.4	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	210	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	100	-	-	-	-	IS:3025(P-21)
7	Total Alkalinity as CaCO3	mg/l	80	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	56	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	15.20	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	1.96	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	24	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	9.72	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.08	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.10	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.20	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	40.32	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	2.25	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	2	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	5.8	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	5	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	20	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100 ml	300	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008076F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	7.52	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	25.9	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	320	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	120	-	-	-	-	IS:3025(P-21)
7	Total Alkalinity as CaCO3	mg/l	110	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	84	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	23.19	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	4.49	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	46	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	1.21	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.10	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.15	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.26	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	28.63	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.79	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	8	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	6.1	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	3	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	18	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100 ml	500	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC148142500008077F
Test Report Date: 29/12/2025

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	1 Litre, Pet Bottle
Sample Received at Lab	22/12/2025
Test Started on	22/12/2025
Test Completed	27/12/2025
Method of Sampling	SOP/B/D-3
Date of Sampling	18/12/2025
Place of Sampling	SW3-River Near PTBS Thermal Area

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	7.45	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	<5	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<1	-	-	-	-	APHA 23rd Ed.
5	Temperature	°C	24.8	Note-5	-	-	Note-5	IS:3025 (P-9)
5	Total Dissolved Solids	mg/l	210	-	-	-	-	IS:3025 (P-16)
6	Total Hardness as (CaCO3)	mg/l	110	-	-	-	-	IS:3025 (P-21)
7	Total Alkalinity as CaCO3	mg/l	90	-	-	-	-	IS:3025 (P-23)
8	Chloride as Cl	mg/l	64	*	*	*	*	IS:3025 (P-32)
9	Sulphate as SO4	mg/l	28.48	*	*	*	*	APHA 23rd Ed.
10	Nitrate as NO3	mg/l	2.15	10	-	-	20	IS:3025 (P-34)
11	Calcium as Ca	mg/l	32	-	-	-	-	IS:3025 (P-40)
12	Magnesium as Mg	mg/l	8.72	-	-	-	-	APHA 23rd Ed.
13	Fluoride as F	mg/l	0.11	2.0	15	-	15	IS:3025 (P-60)
14	Iron (as Fe)	mg/l	0.12	3.0	3.0	-	3.0	APHA 23rd Ed.
15	Manganese as Mn	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	IS:3025 (P-59)
16	Total Chromium as Cr	mg/l	ND(DL-0.05)	2.0	2.0	-	2.0	APHA 23rd Ed.
17	Lead as Pb	mg/l	ND(DL-0.005)	0.1	1.0	-	2.0	APHA 23rd Ed.
18	Zinc as Zn	mg/l	0.24	5.0	15	-	15	APHA 23rd Ed.
19	Cadmium as Cd	mg/l	ND(DL-0.001)	2.0	1.0	-	2.0	APHA 23rd Ed.
20	Copper as Cu	mg/l	ND(DL-0.05)	3.0	3.0	-	3.0	APHA 23rd Ed.
21	Nickel as Ni	mg/l	ND(DL-0.01)	3.0	3.0	-	5.0	APHA 23rd Ed.
22	Arsenic as As	mg/l	ND(DL-0.01)	0.2	0.2	0.2	0.2	APHA 23rd Ed.
23	Sodium as Na	mg/l	45.36	-	-	-	-	APHA 23rd Ed.
24	Potassium as K	mg/l	1.9	-	-	-	-	APHA 23rd Ed.
25	Oil & Grease	mg/l	ND	10	20	10	20	IS:3025(P-39)
26	Total Suspended Solids	mg/l	4	100	600	200	Note-2	IS:3025(P-17)
27	Dissolved Oxygen as DO	mg/l	6.9	-	-	-	-	IS:3025(P-38)
28	Biological Oxygen Demand (BOD)	mg/l	3	30	350	100	100	IS:3025(P-44)
29	Chemical Oxygen Demand (COD)	mg/l	20	250	-	-	250	IS:3025(P-58)
30	Total Coliform	MPN/100 ml	500	-	-	-	-	IS 1622

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000007018F
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.18	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	2.6	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	1057	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	513	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	358	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	151	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	112.4	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	33.7	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	154	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	31.1	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.004	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.081	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.002	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	70	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	70	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2603060163
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	20.6	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	3.8	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	<1.0	-	-	IS:3025 (P-17)
5	Silica	mg/l	0.10	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000007016F
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	8.04	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	2.7	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	116	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	65	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	64.6	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	6	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	13	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	1.4	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	21	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	3.0	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.025	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.013	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	5.3	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No: TC1489626000007016F
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	20.6	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	<1.0	-	-	IS:3025 (P-17)
5	Silica	mg/l	0.09	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000007017F
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.4	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	2.3	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	675	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	280	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	308	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	50.6	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	42.4	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	8.7	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	85	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	16.4	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.183	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.137	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.044	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	0.005	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	67.1	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TC1489626000007017F
Test Report Date: 06/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	05/02/26
Test Started on	05/02/26
Test Completed	12/02/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	20.6	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	1.50	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	<1.0	-	-	IS:3025 (P-17)
5	Silica	mg/l	BLQ(LOQ:0.04)	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000007015F
Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	8.22	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.7	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	78	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	65	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	60	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	3.5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	5.6	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	15	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	6.7	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.021	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.004	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	4.9	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No.: TR01EN-2603060160
Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	Temperature	°C	20.6	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.10	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.4	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000007014F

Post Vikrampur, Dist. Angul – 759106, Odisha, India

Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	8.25	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.1	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	70	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	63	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	55	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	3.5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	5	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	13	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	7.4	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.016	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.003	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	4.5	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603060160
Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	Temperature	°C	20.6	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.05	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.2	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000007013F

Post Vikrampur, Dist. Angul – 759106, Odisha, India

Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	8.13	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.5	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	73	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	61	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	55	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	3.5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	6.2	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	13	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	6.9	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.02	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	5.3	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603060160
Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	05/02/2026
Test Started on	05/02/2026
Test Completed	12/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	23/01/2026
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	Temperature	°C	20.6	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.07	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.8	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TC1489626000007813F
Test Report Date: 12/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.49	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	525	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	270.5	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	234	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	16	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	18	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	3	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	80	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	17.1	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.1	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.16	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.061	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.208	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	31	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2603120573
Test Report Date: 12/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	25.9	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	6	-	-	IS:3025 (P-17)
5	Silica	mg/l	37.8	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	30	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000007814F
Test Report Date: 12/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.72	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	596	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	286	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	268.6	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	54	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	43.8	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	10	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	85.6	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	17.5	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.071	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.112	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.055	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	56	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106, Odisha, India

Test Report No: TR01EN-2603120574
Test Report Date: 12/03/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	25.9	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	1.2	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	5	-	-	IS:3025 (P-17)
5	Silica	mg/l	24.9	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	34.8	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000007850F
Test Report Date: 12/03/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.57	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	550	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	235	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	351.3	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	48	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	26.9	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	BLQ(LOQ:1.0)	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	71.5	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	13.6	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.010	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.003	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.097	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	56.7	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2603130583
Test Report Date: 12/03/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	06/03/26
Test Started on	06/03/26
Test Completed	11/03/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	25.9	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	1.23	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	4	-	-	IS:3025 (P-17)
5	Silica	mg/l	40.7	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	35	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000007752F
Test Report Date:12/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	7.82	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	11.6	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	92	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	57	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	60	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	3.5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	7.5	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	12	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	6.5	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.015	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.002	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	2.1	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603120528
Test Report Date:12/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/02/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	Temperature	°C	25.9	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	12	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.5	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000007812F

Post Vikrampur, Dist. Angul – 759106, Odisha, India

Test Report Date:12/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	7.68	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	102	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	63	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	55	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	6	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	5.4	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	15	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	6.2	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.1	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.007	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	2.1	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603120572
Test Report Date:06/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	Temperature	°C	25.9	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.01	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	5	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.6	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000007749F

Post Vikrampur, Dist. Angul – 759106, Odisha, India **Test Report Date:**12/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	7.96	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	10.9	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	68	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	41	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	28	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	7.1	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	16	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	BLQ(LOQ:1.0)	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.1	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.011	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	2.2	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603120527
Test Report Date:12/03/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/02/2026
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	Temperature	°C	25.9	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	12	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	6.1	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000010625F
Test Report Date: 13/04/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.98	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	BLQ(LOQ:0.5)	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	530	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	271	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	229	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	18	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	18.6	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	3.3	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	82	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	16	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.1	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	BLQ(LOQ:0.002)	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.002	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	31	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2604130181
Test Report Date: 13/04/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27.1	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	6	-	-	IS:3025 (P-17)
5	Silica	mg/l	34.6	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000010627F
Test Report Date: 13/04/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.78	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	581	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	287	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	269	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	52	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	54	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	10.8	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	88	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	16.3	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	BLQ(LOQ:0.002)	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.002	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	55.9	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2604130183
Test Report Date: 13/04/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27.1	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	1.26	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	5	-	-	IS:3025 (P-17)
5	Silica	mg/l	25	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000010626F
Test Report Date: 13/04/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.59	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	558	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	239	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	343	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	30	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	27.3	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	BLQ(LOQ:1.0)	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	74	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	13.1	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	BLQ(LOQ:0.002)	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.003	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	56.9	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2604130182
Test Report Date: 13/04/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27.1	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	1.24	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	4	-	-	IS:3025 (P-17)
5	Silica	mg/l	40.3	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000010624F
Test Report Date:13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	8.08	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.5	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	84	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	61	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	50	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	8.6	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:0.1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	14	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	6.3	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	5.6	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-26034130180
Test Report Date:13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	Temperature	°C	27.1	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.24	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.2	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000010623F

Post Vikrampur, Dist. Angul – 759106, Odisha, India **Test Report Date:**13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	8.06	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	85	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	59	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	55	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	5	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	10.1	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	16	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	4.6	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:1.0)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.006	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	BLQ(LOQ:0.002)	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	5.5	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2604130179
Test Report Date:13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4ltr in bottle
Sample Received at Lab	06/03/2026
Test Started on	06/03/2026
Test Completed	11/03/2026
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/2026
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	Temperature	°C	27.1	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.24	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	7	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.5	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000010622F
Test Report Date:13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	7.16	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	14.3	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	1120	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	533	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	323	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	170	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	110.6	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	29.8	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	156	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	34.7	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.002	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	0.088	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	0.011	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	0.005	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	82.1	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2603120527
Test Report Date:13/04/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	30/03/26
Test Started on	30/03/26
Test Completed	09/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	20/03/26
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	Temperature	°C	27.8	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	4.8	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	12	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	6.1	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000012688F
Test Report Date: 03/05/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.88	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	520	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	273	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	225	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	16	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	20	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	4.3	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	84	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	14	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.009	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.263	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	0.002	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	29	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2605030005
Test Report Date: 03/05/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW1-Tentulei Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW1	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	7	-	-	IS:3025 (P-17)
5	Silica	mg/l	32	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000012690F
Test Report Date: 03/05/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.81	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	581	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	289	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	271	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	54	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	42	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	11	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	85	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	18.6	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.3	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.006	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.230	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	0.002	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	57	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2605030007
Test Report Date: 03/05/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW2-Balanda Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW2	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	2.10	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	6	-	-	IS:3025 (P-17)
5	Silica	mg/l	24	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

ULR No: TC1489626000012689F
Test Report Date: 03/05/2026

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	pH	-	7.69	6.5 – 8.5	6.5 – 8.5	IS:3025 (P-11)
2	Color	Hazen	2	5	15	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	1	5	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	561	500	2000	IS:3025 (P-16)
5	Total Hardness as ($CaCO_3$)	mg/l	242	200	600	IS:3025(P-21)
6	Total Alkalinity as $CaCO_3$	mg/l	325	200	600	IS:3025 (P-23)
7	Chloride as Cl	mg/l	25	250	1000	IS:3025 (P-32)
8	Sulphate as SO_4	mg/l	28	200	400	IS:3024(P-24)
9	Nitrate as NO_3	mg/l	BLQ(LOQ:1.0)	45	No Relaxation	APHA 24 th Ed.
10	Calcium as Ca	mg/l	78	75	200	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	11.4	30	100	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.3	1.0	1.5	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.006	1.0	No Relaxation	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	0.1	0.3	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	0.05	No Relaxation	IS:3025 (P-65)
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.01	No Relaxation	IS:3025 (P-65)
17	Zinc as Zn	mg/l	0.336	5	15	IS:3025 (P-65)
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	0.003	No Relaxation	IS:3025 (P-65)
19	Copper as Cu	mg/l	0.003	0.05	1.5	IS:3025 (P-65)
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	0.02	No Relaxation	IS:3025 (P-65)
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.01	0.05	IS:3025 (P-65)
22	Sodium as Na	mg/l	58	-	-	IS:3025 (P-45)
23	Total Coliform	Per 100ml	Absent	Shall not be detectable	No Relaxation	IS 15185: 2016
24	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-18)
25	Taste	mg/l	Agreeable	Agreeable	Agreeable	IS:3025 (P-08)

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Anugul – 759106,
Odisha, India

Test Report No: TR01EN-2605030006
Test Report Date: 03/05/26

Sample Particulars	
Nature of the Sample	Ground Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	GW3-Kukudang Village

Analysis Report

Sr. No.	Parameters	Unit	Test Results GW3	Requirements as per IS: 10500:2012		Protocol
				Desirable	Permissible	
1	Temperature	°C	27	-	-	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-45)
3	Oil & Grease	mg/l	<4.0	-	-	IS:3025 (P-39)
4	Total Suspended Solids	mg/l	5	-	-	IS:3025 (P-17)
5	Silica	mg/l	42	-	-	APHA 24th Ed.
6	P Alkalinity as $CaCO_3$	mg/l	BLQ(LOQ:1.0)	-	-	IS:3025 (P-23)

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000012687F
Test Report Date:03/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	pH	-	8.12	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.8	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	87	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	64	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	53	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	8	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	9.2	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	17	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	5.2	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.009	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	0.385	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	0.002	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	6.2	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2605030004
Test Report Date:03/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW1-Pump House

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW1	A*	B*	C*	D*	
1	Temperature	°C	27	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	BLQ(LOQ:1.0)	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	<1.0	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.3	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited **ULR No:** TC1489626000012898F

Post Vikrampur, Dist. Angul – 759106, Odisha, India **Test Report Date:**05/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	pH	-	8.10	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	<0.5	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	89	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	61	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	60.6	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	6	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	9.8	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	BLQ(LOQ:1.0)	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	17	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	4.5	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	BLQ(LOQ:0.1)	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.008	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	0.438	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	0002	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	5.8	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2605050125
Test Report Date:05/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW2-River Near Jatia Bridge

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW2	A*	B*	C*	D*	
1	Temperature	°C	26.3	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	1.20	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	8	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.7	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

ULR No: TC1489626000012956F
Test Report Date:06/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	pH	-	7.21	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	IS:3025 (P-11)
2	Color	Hazen	2	Note-1	Note-1	Note-1	Note-1	IS:3025 (P-4)
3	Turbidity	NTU	2.1	-	-	-	-	IS:3025 (P-10)
4	Total Dissolved Solids	mg/l	1129	-	-	-	-	IS:3025 (P-16)
5	Total Hardness as (CaCO3)	mg/l	535	-	-	-	-	IS:3025(P-21)
6	Total Alkalinity as CaCO3	mg/l	318	-	-	-	-	IS:3025 (P-23)
7	Chloride as Cl	mg/l	169	*	*	*	*	IS:3025 (P-32)
8	Sulphate as SO4	mg/l	110.2	*	*	*	*	IS:3025 (P-24)
9	Nitrate as NO3	mg/l	29.7	10	-	-	20	APHA 24rd Ed.
10	Calcium as Ca	mg/l	154	-	-	-	-	IS:3025 (P-40)
11	Magnesium as Mg	mg/l	36.4	-	-	-	-	IS:3025 (P-46)
12	Fluoride as F	mg/l	0.2	2.0	15	-	15	IS:3025 (P-60)
13	Iron (as Fe)	mg/l	0.006	3.0	3.0	-	3.0	IS:3025 (P-65)
14	Manganese as Mn	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65)
15	Total Chromium as Cr	mg/l	BLQ(LOQ:0.002)	2.0	2.0	-	2.0	IS:3025 (P-65).
16	Lead as Pb	mg/l	BLQ(LOQ:0.002)	0.1	1.0	-	2.0	IS:3025 (P-65).
17	Zinc as Zn	mg/l	0.499	5.0	15	-	15	IS:3025 (P-65).
18	Cadmium as Cd	mg/l	BLQ(LOQ:0.002)	2.0	1.0	-	2.0	IS:3025 (P-65).
19	Copper as Cu	mg/l	0.004	3.0	3.0	-	3.0	IS:3025 (P-65).
20	Nickel as Ni	mg/l	BLQ(LOQ:0.002)	3.0	3.0	-	5.0	IS:3025 (P-65).
21	Arsenic as As	mg/l	BLQ(LOQ:0.002)	0.2	0.2	0.2	0.2	IS:3025 (P-65).
22	Sodium as Na	mg/l	80.6	-	-	-	-	IS:3025 (P-45).
23	Total Coliform	MPN/100 ml	Absent	-	-	-	-	IS 15185

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Interstellar Testing Centre Pvt. Ltd. Panchkula

Issued To: M/s Talcher Fertilizers Limited
Post Vikrampur, Dist. Angul – 759106,
Odisha, India

Test Report No: TR01EN-2605060128
Test Report Date:06/05/2026

Sample Particulars	
Nature of the Sample	Surface Water
Sample Quantity & Packaging	4 Litre, Pet Bottle
Sample Received at Lab	29/04/26
Test Started on	29/04/26
Test Completed	30/04/26
Method of Sampling	SOP/ITC/EW/030
Date of Sampling	25/04/26
Place of Sampling	SW3-TTPS Talcher

Analysis Report

Sr No.	Parameter	Unit	Test Results	Permissible Limit				Protocol
			SW3	A*	B*	C*	D*	
1	Temperature	°C	26.3	Note-5	-	-	Note-5	IS:3025 (P-9)
2	Potassium as K	mg/l	4.7	-	-	-	-	IS:3025 (P-45).
3	Oil & Grease	mg/l	<4.0	10	20	10	20	IS:3025(P-39)
4	Total Suspended Solids	mg/l	11	100	600	200	Note-2	IS:3025(P-17)
5	Dissolved Oxygen as DO	mg/l	5.9	-	-	-	-	IS:3025(P-38)
6	Biological Oxygen Demand (BOD)	mg/l	BLQ(LOQ:1.0)	30	350	100	100	IS:3025(P-44)
7	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	250	-	-	250	IS:3025(P-58)

Remarks: ND-Not Detected, DL-Detection Limit, A*-Inland Surface Water, B*-Public Sewer, C*-Land For Imigration, D*-Mariner Coastal Areas

Talcher Fertilizers

Interstellar Testing Centre Pvt. Ltd. Panchkula

END OF REPORT

Talcher Fertilizers

