



District Level Water Testing Laboratory, Pakur Jharkhand

(Drinking Water & Sanitation Department, Jharkhand)
Office of the Executive Engineer
Near Old Samaharnalay Parisar, Pakur- 816107 Jharkhand, India
Email: dlwtl.pakur@gmail.com



TC-15432

Test Report

Report No:	Pkr110826-304		Date of issue: 12/08/2026
Name & Address of Customer	PM SHIKI KENRIYA VIDYALAYA SINGHARSI AMRAPARA, DIST-PAKUR, JHARKHAND 816104		Sample code: 110826GW-304
Sample location	CAMPUS GROUND	Sample Quantity/Packing	1L PVC Bottle
Date of Sampling	11/08/2026	Date of Receipt of Sample	11/08/2026
Sampling Procedure	Sampling not done by the Laboratory	Temperature	25 ± 2 °C
Date of Analysis	11/08/2026	Date of completion of Analysis	11/08/2026
URL No	TC-1543225000000304F		

Sl. No.	Parameter	Unit	Result	Method Reference	Specification as per BIS – 10500:2012 (Second Revision) Amendment – Feb 2022	
					Acceptable Limit	Permissible Limit (In Absence of Alternate source)
1	pH	-	7.4	APHA 24 th Edition 2017-4500-H ⁺ B, (Electrometric Method)	6.5 – 8.5	No relaxation
2	Turbidity	NTU	0.1	APHA-24 th Edition 2017-2130-B, (Nephelometric method)	1	5
3	Total Dissolved Solids	mg/L	96	APHA 24 th Edition 2017-2540 C, (Total Dissolved Solids Dried at 180°C)	500	2000
4	Chloride (as Cl)	mg/L	20	APHA-24 th Edition 2017-4500 Cl- B, (Argentometric method)	250	1000
5	Total Hardness as CaCO ₃	mg/L	64	APHA-24 th Edition 2017-2340-C (EDTA Titrimetric method)	200	600
6	Total Alkalinity as CaCO ₃	mg/L	36	APHA-24 th Edition 2017-2320-B, (Titration Method)	200	600
7	Calcium as Ca ⁺	mg/L	12.8	APHA-24 th Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
8	Magnesium as Mg ⁺	mg/L	5.76	APHA-24 th Edition 2017-3500-Mg-B, (Calculation Method)	30	100
9	Fluoride as F	mg/L	-	APHA 24 th Edition 2017-4500 F ⁻ C, (Ion selective electrode method)	1.0	1.50
10	Colour	HU	05	Visual comparison	5	15
11	Odour	-	Agreeable	Observation	Agreeable	Agreeable

Notes:-

- The results listed refer only to the tested sample and applicable parameters.
- This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced, except when in full, without the written permission of the Lab in charge.
- All disputes are subject to the Pakur Jurisdiction.
- Sample will be stored for a period of 7 days from the date of issue of report after which it will be disposed off. During this time if there is any doubt the customer may request the Laboratory for retesting of sample.

[Signature]
Authorised Signatory

Authorised Signatory

-End of the Report-

NATIONAL TESTING CENTRE

Tarapur Tent, Nalun Rasia, Ghola, Sodepur,
(M) 9433534725, 98360180113
E-mail: national_testing@yahoo.com
Testing Facilities approved Govt. and semi
Govt. Department

Government Registered
No. 190112/103508
DT. 29.4.2008

नेशनल टेस्टिंग सेन्टर
लार्ड टेम्प, नलून रासिया, घोला,
सोदपुर, कलकत्ता-700113
मोबाइल - 9833534725
98360180113

TEST REPORT

चरित प्रमाणपत्र

चरित प्रमाणपत्र संख्या
Test Report No.
Issued to M/s

NTC/ORG-W-08/26-27
Subhadip Ent.
Nalhati Township, Dist: Birbhum, West Bengal - 731 243

दिनांक 8.5.2026
Date

चरित प्रमाणपत्र संख्या
Division: Quality Control

चरित प्रमाणपत्र संख्या
Original Certificate No. 73.2026

चरित प्रमाणपत्र संख्या
Section: Physical/Chem.

चरित प्रमाणपत्र संख्या
Identification of Sample: Four samples of Water for the work of Mount Cleaning of Sumps, Over
under AECI AF Singarsi against CA No. AECI AF/SIN/45 of 2025-26

चरित प्रमाणपत्र संख्या
Sample No. 1 Sample collected from: Gurnahati Dam

चरित प्रमाणपत्र संख्या
Sl. Characteristic Test Results Limit Maximum Permissible
as per IS: 10500/2012

चरित प्रमाणपत्र संख्या
1. Appearance, Taste & Odour National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
2. Turbidity National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
3. pH Value National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
4. Total Dissolved Solids National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
5. Iron as Fe National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
6. Manganese as Mn National Testing Centre, Kolkata, India

चरित प्रमाणपत्र संख्या
7. Chloride as Cl National Testing Centre, Kolkata, India



For National Testing Centre
Chief Executive

Sample (s) not drawn by us.
Result relates to Sample (s) only.

Test Report No -

NTC/Org-018/26-27

DT. 8.5.2026

Sample No. 2

Sample collected from : Booster Pump House

Sl. No.	Characteristics	Test Results	Unit	Limit Maximum Permissible as per IS : 10500/2012
1.	Appearance	Clear, liquid		
2.	Taste & Odour	Unobjectionable		
3.	Turbidity	0.69	NTU	MAX 1.0
4.	pH Value	7.3	-	6.5-8.5
5.	Total Dissolved solids	140	mg/l	MAX 200
6.	Iron as Fe	0.147	mg/l	MAX 0.3
7.	Calcium as Ca	29.8	mg/l	MAX 75
8.	Magnesium as Mg	8.35	mg/l	MAX 30
9.	Sulphate as SO ₄	32.6	mg/l	MAX 200
10.	Chloride as Cl	84.3	mg/l	MAX 250
11.	Nitrate as NO ₃	11.1	mg/l	MAX 45
12.	Total Hardness as CaCO ₃	107	mg/l	MAX 200

Sample No. 3

Sample collected from : Domestic Area

Sl. No.	Characteristics	Test Results	Unit	Limit Maximum Permissible as per IS : 10500/2012
1.	Appearance	Clear, liquid		
2.	Taste & Odour	Unobjectionable		
3.	Turbidity	0.72	NTU	MAX 1.0
4.	pH Value	7.4	-	6.5-8.5
5.	Total Dissolved solids	145	mg/l	MAX 200
6.	Iron as Fe	0.166	mg/l	MAX 0.3
7.	Calcium as Ca	28.4	mg/l	MAX 75
8.	Magnesium as Mg	7.96	mg/l	MAX 30
9.	Sulphate as SO ₄	33.6	mg/l	MAX 200
10.	Chloride as Cl	86.4	mg/l	MAX 250
11.	Nitrate as NO ₃	10.5	mg/l	MAX 45
12.	Total Hardness as CaCO ₃	97	mg/l	MAX 200

Sample No. 4

Sample collected from : Technical Area

Sl. No.	Characteristics	Test Results	Unit	Limit Maximum Permissible as per IS : 10500/2012
1.	Appearance	Clear, liquid		
2.	Taste & Odour	Unobjectionable		
3.	Turbidity	0.76	NTU	MAX 1.0
4.	pH Value	7.7	-	6.5-8.5
5.	Total Dissolved solids	136	mg/l	MAX 200
6.	Iron as Fe	0.134	mg/l	MAX 0.3
7.	Calcium as Ca	25.0	mg/l	MAX 75
8.	Magnesium as Mg	6.48	mg/l	MAX 30
9.	Sulphate as SO ₄	19.85	mg/l	MAX 200
10.	Chloride as Cl	82.7	mg/l	MAX 250
11.	Nitrate as NO ₃	11.4	mg/l	MAX 45
12.	Total Hardness as CaCO ₃	101	mg/l	MAX 200



For National Testing Centre

Chief Executive

CERTIFICATE

It is certified that treated water with disinfectant viz. silver ionization & chlorination being supplied to KV School regularly. Further, water samples at various locations of Air Force Station, Singarsi is biannually collected and tested in Govt regd testing agency, copy of the same is attached.

Station: Singarsi

Date: 12 Aug 2026


(Barun Kumar)
AE (Civ)
AGE (I) AF Singarsi
