Annexure D

BUILDING SAFETY CERTIFICATE

No. USR/JSR/SC/121/2025 Date: 07/11/2025

It is certified that the existing building **INDAL HIGH SCHOOL** (Name of the building or premises) at **Muri Singhpur Ranchi Jharkhand 835101** is having block(s)/Floor(s) as per details below:

Details of Block(s) in School	Block (1)	Block (2)	Block (3)	Block (4)	Block (5)	Block (6)
No. of Floor(s) in the Block	G +1	G + 2	G+1	G		

The building is owned/occupied by **INDAL HIGH SCHOOL, Muri, Singhpur, Ranchi Jharkhand 835101**(Name of the Institution) have compiled with the Building Safety requirements in accordance with National Code Rules, and verified by the officers concerned of **Chief Inspector of Factories, Jharkhand** (Name of Department/Govt.) on 07.11.2025 (date of Inspection in the presence of **Mr Shyam Kumar Shah, Principal** (name and addresses of the Manager/Secretary or his representative) and that the building/premises is fit for occupancy up to Class XII for running school with effect from **07.11.2025** for a **period of 1 Year** in accordance with rule and subject to compliance of the specific conditions as appended.

1. Rebound Hammer test (Done)
2. UPV-Ultra sonic pulse velocity test (Done)
3. Carbonation test (Done)

Issued on **07.11.2025** at **Indal High School, Muri Singhpur Racnhi Jharkhand** by

*Strike out whichever is not applicable. In case of block is more than six use separate sheet for details.

USR ENVIRO Enviro Sakchi, Jamshedpur

Bijay Kumar Singh
Competent Person
Signature with Seal:

Name: Bijay Kumar Singh

Approved By
Chief Inspector of Factories
Govt. of Jharkhand
JH/CIF/7/Com.1037/2020

Designation: Competent Person

Name & Address of Department/Office: **Chief Inspector of Factories, Jharkhand**

Licence No.:JH/CIF/7/Com.1037/2020

USR ENVIRO
COMPETENT INSTITUTION
ISO 45001:2018
Approved by: The Chief Inspector of Factories, Govt. of Jharkhand

Add : 101, 2nd Floor, Alisons Apartment, Thakurbari Road, Aambagan, Sakchi, Jamshedpur-831001, Jharkhand
Contact No. :+91-9431-587188, +91-8092-120176, +91-9109-377735
E-mail : usrenviro.2019@gmail.com
Competency Certificate No. : JH/CIF/7/Com. 1037/2020

INDAL HIGH SCHOOL
Muri Singhpur Ranchi Jharkhand 835101

BUILDING STABILITY REPORT

REBOUND HAMMER TESTING

Sl No.	Location	Rebound Value			Avg	Compressive strength(N/mm2)	REMARKS
1	COLUMN NO 1	57	48	49	51.3	42.1	Excellent
2		43	40	48	43.7	35.8	Excellent
3		58	60	64	60.7	49.7	Excellent
4		58	50	55	54.3	44.6	Excellent
5	COLUMN NO 2	40	64	50	51.3	42.1	Excellent
6		52	65	40	52.3	42.9	Excellent
7		40	52	68	53.3	43.7	Excellent
8		52	44	55	50.3	41.3	Excellent
9		40	45	54	46.3	38.0	Excellent
10		54	48	48	50.0	41.0	Excellent
11		49	60	50	53.0	43.5	Excellent
12		54	50	50	51.3	42.1	Excellent
13	COLUMN NO 3	48	60	68	58.7	48.1	Excellent
14		48	54	48	50.0	41.0	Excellent
15		50	64	50	54.7	44.8	Excellent
16		55	60	50	55.0	45.1	Excellent
17		65	63	49	59.0	48.4	Excellent
18		51	43	53	49.0	40.2	Excellent
19		48	36	38	40.7	33.3	Excellent
20	COLUMN NO 4	34	36	41	37.0	30.3	Excellent
21		48	41	31	40.0	32.8	Excellent
22		48	44	48	46.7	38.3	Excellent
23		51	54	52	52.3	42.9	Excellent
24		38	36	43	39.0	32.0	Excellent
25		48	41	51	46.7	38.3	Excellent
26	COLUMN NO 5	36	34	41	37.0	30.3	Excellent
27		44	51	48	47.7	39.1	Excellent
28		34	51	60	48.3	39.6	Excellent
29		58	54	56	56.0	45.9	Excellent
30		49	39	44	44.0	36.1	Excellent

Add : 101, 2nd Floor, Alisons Apartment, Thakurbari Road, Aambagan, Sakchi, Jamshedpur-831001, Jharkhand
Contact No. :+91-9431-587188, +91-8092-120176, +91-9109-377735
E-mail : usrenviro.2019@gmail.com
Competency Certificate No. : JH/CIF/7/Com. 1037/2020

31		51	53	60	54.7	44.8	Excellent
32		44	60	63	55.7	45.6	Excellent
33		64	50	51	55.0	45.1	Excellent
34	COLUMN NO 6	41	43	48	44.0	36.1	Excellent
35		51	58	40	49.7	40.7	Excellent
36		48	51	54	51.0	41.8	Excellent
37		56	46	44	48.7	39.9	Excellent
38		48	50	51	49.7	40.7	Excellent
39		53	43	48	48.0	39.4	Excellent
40		46	56	58	53.3	43.7	Excellent
41	COLUMN NO 7	58	48	44	50.0	41.0	Excellent
42		63	65	58	62.0	50.8	Excellent
43		48	40	46	44.7	36.6	Excellent
44		43	46	43	44.0	36.1	Excellent
45	COLUMN 1F	38	40	42	40.0	32.8	Excellent
46		35	39	38	37.3	30.6	Excellent
47		36	40	42	39.3	32.3	Excellent
48		50	54	30	44.7	36.6	Excellent
49	COLUMN 2F	42	38	35	38.3	31.4	Excellent
50		46	40	42	42.7	35.0	Excellent
51		38	42	40	40.0	32.8	Excellent
52		35	39	40	38.0	31.2	Excellent
53	COLUMN 3F	40	42	40	40.7	33.3	Excellent
54		35	30	40	35.0	28.7	Excellent
55		38	39	40	39.0	32.0	Excellent

REMARKS:

Strength of Concrete:

Tests conducted are fairly indicative of the quality of concrete, The **Rebound Hammer Test** results indicate that the approximate compressive strength of concrete for the inspected Columns ranges above 30 **N/mm^2.**

As per IS: 13311 Part-2 IS – 516(Part-5/ Sec-4):2020, the rebound hammer results show the surface compressive strength are moderate.

Add : 101, 2nd Floor, Alisons Apartment, Thakurbari Road, Aambagan, Sakchi, Jamshedpur-831001, Jharkhand
Contact No. :+91-9431-587188, +91-8092-120176, +91-9109-377735
E-mail : usrenviro.2019@gmail.com
Competency Certificate No. : JH/CIF/7/Com. 1037/2020

ULTRASONIC PULSE VELOCITY TESTING:

Sl. No.	Location	Probe Distance(mm)	Time (µs)	Indirect Transmission Velocity (Km/sec)	Direct Transmissionas per IS:516Part-4 Sec-1 Velocity (Km/sec)	Range	Remarks
1	A94	300	104.2	3.88	3.88	3.5 -4.5	Good
2	CT-12C	300	109.6	3.74	3.74	3.5 -4.5	Good
3	A96	300	111.3	3.70	3.70	3.5 -4.5	Good
4	CT-12D	300	108.6	3.76	3.76	3.5 -4.5	Good
5	A98	300	119.2	3.52	3.52	3.5 -4.5	Good
6	CT-13A	300	120.4	3.49	3.49	3.5 -4.5	Good
7	CT-13B	300	114.2	3.63	3.63	3.5 -4.5	Good
8	A102	300	98.4	4.05	4.05	3.5 -4.5	Good
9	CT-13C	300	99.2	4.02	4.02	3.5 -4.5	Good
10	A104	300	65.3	5.59	5.59	Above4.5	Excellent
11	CT-13D	300	100.4	3.99	3.99	3.5 -4.5	Good
12	A106	300	96.1	4.12	4.12	3.5 -4.5	Good
13	A108	300	100.2	3.99	3.99	3.5 -4.5	Good
14	CT-14B	300	98.1	4.06	4.06	3.5 -4.5	Good
15	A110	300	89.2	4.36	4.36	3.5 -4.5	Good
16	CT-14C	300	85.6	4.50	4.50	Above 4.5	Excellent
17	A112	300	80.9	4.71	4.71	Above 4.5	Excellent

Add : 101, 2nd Floor, Alisons Apartment, Thakurbari Road, Aambagan, Sakchi, Jamshedpur-831001, Jharkhand
Contact No. :+91-9431-587188, +91-8092-120176, +91-9109-377735
E-mail : usrenviro.2019@gmail.com
Competency Certificate No. : JH/CIF/7/Com. 1037/2020

18	CT-14D	300	91.2	4.29	4.29	3.5 - 4.5	Good
19	A108	300	91.6	4.28	4.28	3.5 -4.5	Good
20	CT-14B	300	90.9	4.30	4.30	3.5 - 4.5	Good
21	A110	300	88.5	4.39	4.39	3.5 -4.5	Good
22	CT-14C	300	85.4	4.51	4.51	Above 4.5	Excellent
23	A112	300	99.2	4.02	4.02	3.5 -4.5	Good
24	CT-14D	300	100.4	3.99	3.99	3.5 - 4.5	Good
25	A108	300	89.2	4.36	4.36	3.5 -4.5	Good
26	CT-14B	300	96.1	4.12	4.12	3.5 - 4.5	Good
27	A110	300	110.2	3.72	3.72	3.5 -4.5	Good
28	CT-14C	300	90.6	4.31	4.31	3.5 - 4.5	Good
29	A112	300	109.1	3.75	3.75	3.5 -4.5	Good
30	CT-14D	300	108.4	3.77	3.77	3.5 - 4.5	Good

CARBONATION TEST

SL. No	Location	Condition of Concrete	Carbonation (mm)	Cover on Rebar (mm)
1	P1-P10	Dry	11	35
2	P11-P20	Dry	11	35
3	P21-P30	Dry	9	35