



# CIVITECH

## LABS INDIA PVT LTD



TC-10366

GST No.: 08AAJCC2599LIZO

PAN No.: AAJCC2599L

CIN : U73100RJ2021PTC073160

MSME Cert. No.: UDYAM-RJ-33-0009520

Report No: CLIPL/ 240163  
ULR No. TC1036624000000124F

Date: 07-06-2024

### TEST REPORT

Customer's Name & Address : Raj Mineral Crushing Plant  
Village- Bansliya, Near Iswal, Tehsil- Badgaon, Udaipur, Udaipur,  
Rajasthan, India, 313002

Letter Ref. No. : -

Project's Particulars : 160 KTPA, Roaster-6, Debari

Sample Submitted By : Customer Representative

Contact Person of Customer : Mr. Rajesh Mundra  
Mob. No. : 9414169137  
Email Id : rajeshmundraudr@yahoo.in

Test witnessed by : Not witnessed

Name of test for witness : Not witnessed

Sample Receipt Date : 05-06-2024 Sample Condition: Satisfactory

Period of Testing : 05-06-2024 to 07-06-2024

Test Performed at : Laboratory

Discipline : Mechanical

Group : Building Material, Infrastructure & Construction Materials

Sample Particulars : as follows-

Sample / Product	Job No.	Source / Identification
Aggregate 20 mm (Singal Size)	240163	Ishwal / Raj minerals

Results : Refer to next page

Abbreviation Used :

CNR – Test is not requested by customer, NA- Not Applicable, INA : Information not provided by client

#### Terms & Conditions:

1. Results relate only to sample tested.
2. The tested samples are retained for one month after issue date of report (if not collected by customer or not destruct during test).
3. CIVITECH will not involve in any interpretation or legal action related to the test report.
4. Reported test results shall not be reproduced, except in full, without the written permission of Director, CIVITECH.

Reviewed By:

Sudhir Kumar Mishra  
(Technical Manager)



Approved By :

Authorised Signatory  
Sunil Verma  
(C.E.O.)

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**Report No: CLIPL/ 240163**  
**ULR No. TC1036624000000124F**

**Date: 07-06-2024**

### TEST RESULTS

Job No. : 240163 Test Start Date: 05-06-2024  
Sample / Product : Aggregate 20 mm (Singal Size) Test Completion Date: 07-06-2024  
Source / Identification: Ishwal / Raj minerals

Sl. No.	Test Parameter	Unit	Result	Specification as per IS 383:2016	Conformity	Method of Test
1	Sieve Analysis (Passing on IS Sieve)	40.00	100	100 - 100	Yes	IS 2386 (Part-I)-1963
		20.00	88.5	85 - 100	Yes	
		10.00	1.5	0 - 20	Yes	
		4.75	0.1	0 - 5	Yes	
2	Flakiness Index	% By weight	3.17	NA	-	IS 2386 (Part-III)-1963
3	Elongation Index	% By weight	12.62	NA	-	
4	Water Absorption	% By weight	0.42	NA	-	
5	Specific Gravity based on Saturated Surface Dry Weight Aggregate	NA	2.83	NA	-	
6	Specific Gravity based on Dry Aggregate	NA	2.82	NA	-	IS 2386 (Part-IV)-1963
7	Apperent Specific Gravity	NA	cnr	NA	-	
8	Bulk Density-Loose	kg/litre	1.54	NA	-	
9	Bulk Density-Compacted	kg/litre	1.68	NA	-	IS 2386 (Part-V)-1963
10	Impact Value	% By weight	18	30 Maximum* 45 Maximum**	Yes Yes	
11	Crushing Value	% By weight	17	30 Maximum*	Yes	
12	Los Angeles Abrasion Value	% By weight	16	30 Maximum* 50 Maximum**	Yes Yes	IS 2386 (Part-V)-1963
13	Ten % Fines Value	kN	cnr	50 Minimum	-	
14	Soundness Test by Na <sub>2</sub> SO <sub>4</sub> after five cycles	% By weight	cnr	12 Maximum	-	IS 2386 (Part-V)-1963
15	Soundness Test by MgSO <sub>4</sub> after five cycles	% By weight	cnr	18 Maximum	-	

\*Aggregate used in concrete for wearing surfaces

\*\*Aggregate used in concrete other than wearing surfaces

Reviewed By:

**Sudhir Kumar Mishra**  
(Technical Manager)



Approved By :

**Sunil Verma**  
Authorised Signatory  
Sunil Verma  
(C.E.O.)

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\*\*\*\*\*END OF THE REPORT\*\*\*\*\*

