

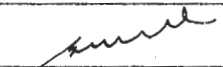
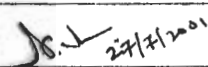
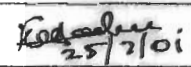
WAP/M/SPECN-1/023/1988 ALT 'C'

GOVERNMENT OF INDIA
(Ministry of Railways)

SPECIFICATION FOR
CRUSHED RAW DOLOMITE
(PL No. 84982901)

Issued by

MECHANICAL DRAWING OFFICE
WHEEL & AXLE PLANT
YELAHANKA, BANGALORE-560 064
I N D I A

		
Dy. CME/W-I	WM/MELT	SSE/MDO
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SPECIFICATION FOR CRUSHED RAW DOLOMITE

SPECIFICATION FOR CRUSHED RAW DOLOMITE**1.0 SCOPE:**

This Specification prescribed the requirement and supply of Crushed Raw Dolomite for use in Electric Arc Furnace at Wheel and Axle Plant, Yelahanka, Bangalore - 560 064, Karnataka State, India as per the instructions and conditions of contract and tender papers.

2.0 JOB DESCRIPTION:

Crushed mined raw dolomite crushed to size covered under para 4.1 and shall be free from wetness.

3.0 JOB REQUIREMENTS:

Crushed Raw Dolomite is required in the melting process of steel in a 20T capacity Electric Arc furnace as a flux, as a bedding material at the slag door and ladle preparation.

4.0 CHEMICAL COMPOSITION:

Sl. No.	Characteristics	Requirement
1.	CaO content percentage by mass	Min 20%
2.	MgO content percentage by mass	Min 18%

4.1 SIZE: 5 - 10 mm, -5 mm not to exceed 25% and +10 mm not to exceed 10%.

5.0 SAMPLING:

Representative samples for testing shall be drawn according to the method given in IS:2109-1982. For each sub-lot, the number of increment shall be called as per table given below:-

<i>Sumra</i>	<i>J.S. 22/1/01</i>	<i>K. Srinivas</i> 25/7/01
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Total sub-quantity MT	Size of the material
10 or less	2 bags at random
>10 < 25	4 bags at random
>25 < 50	8 bags at random
>50 <100	16 bags at random

A composite sample shall be made for a batch of 2 bags.

6.0 No. OF TESTS:

Tests for determination of Calcium Oxide, Magnesium Oxide and total insolubles including Silica shall be carried out on each individual sample as per IS:1760-1962.

Test for particle size determination shall be performed on the composite sample.

7.0 CRITERIA FOR CONFORMITY:

7.1 FOR INDIVIDUAL SAMPLES:

The mean and the range of test results shall be computed as follows:

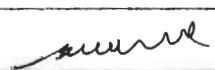
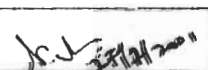
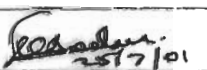
MEAN: Sum of individual test results / No. of results (X)

RANGE: Difference between the maximum and minimum values of (R) test results.

For declaring conformity of the lot: $X+0.6R$ shall be less than or equal to the maximum specified requirements.

OR

$X-0.6R$ shall be greater than or equal to the minimum specified requirements.

		
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7.2 FOR COMPOSITE SAMPLES:

7.2.1 For declaring the conformity of the lot to the requirements of characteristic tested on the composite sample, the test results shall satisfy the corresponding specified requirements.

8.0 PACKING:

The crushed raw dolomite conforming to the above shall be packed in gunny bags of 50 kgs.

Use eco friendly bio-degradable packing material.

9.0 WARRANTY:

The supplier shall submit a guarantee certificate for the performance of their product to the effect that in case their product fails to meet the requirement given in the specification or in shop trials, they shall replace the whole supply free of cost. In case the supplier fails to replace the material within 21 days after receipt of the complaint, WAP shall have the right to dispose of the material in whichever way deemed fit and the supplier shall not be paid for the quantity rejected.

<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i> 25/7/01
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AMENDMENT SHEET

Alt.	DATE	DESCRIPTION	JOB NO.	APPROVED BY	
				DESI.	SIGN.
'c'	10.07.01	Revised and Clause No.8.0 modified.	3939	dy/wt	<i>[Signature]</i>

<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Dy. CME/W-I	WM/MELT	SSE/MDO
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