



# INDICATIVE CONSULTANT INDIA

(CONSULTANT SURVEYOR & REGD. TEST HOUSE)  
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**ISO/IEC 17025:2005, ACCREDITED BY NABL, DEPARTMENT OF SCIENCE AND TECHNOLOGY,  
GOVERNMENT OF INDIA IN THE FIELD OF CHEMICAL AND MECHANICAL TESTING**

## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/018A</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR BATCHING PLANT</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 34.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/018A</p> <p><b>Report Date</b> : 28.05.19</p> <p><b>Date of Sampling</b> : 20.05.19 to 21.05.19</p> <p><b>Analysis Started on</b> : 23.05.19</p> <p><b>Analysis Completed on</b> : 25.05.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
10:00 AM to 06:00 PM	91.25	42.54	14.25	31.25
06:30 PM to 02:30 AM	97.84	51.03	19.02	36.07
03:00 AM to 11:00 AM	89.27	39.22	15.11	32.11

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

*Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)*  
*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)*

*Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009*

**For, Indicative Consultant India**

.....  
*Checked By*

*(Signature)*  
P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
*Parbati Golui  
Manager Lab, Env. Div.  
Indicative Consultant India*

Parbati Golui  
(Manager Laboratory)  
**Signatory Authority**

- Note :**
1. Test results shown in this test report relate only to the item tested.
  2. This test report shall not be reproduce anywhere except in full and in some format without the approval of the laboratory.
  3. Retention period of tested samples (Filter Paper) is 6 months from the date of issue of test report unless otherwise specified.



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## TEST REPORT

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<p><b>Report No.</b> : ICI/A/19-20/TRCL/018B</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR OVER HEAD WATER TANK</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 33.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/018B</p> <p><b>Report Date</b> : 28.05.19</p> <p><b>Date of Sampling</b> : 20.05.19 to 21.05.19</p> <p><b>Analysis Started on</b> : 23.05.19</p> <p><b>Analysis Completed on</b> : 25.05.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
10:15 AM to 06:15 PM	89.25	25.67	14.00	30.00
06:40 PM to 02:40 AM	94.16	31.16	17.00	32.00
03:10 AM to 11:10 AM	82.22	26.08	13.00	29.00

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)  
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Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009

**For, Indicative Consultant India**

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P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
Parbati Golui  
Manager Lab, Env. Div.  
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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/018C</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR MAIN GATE (SOUTH)</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 34.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/018C</p> <p><b>Report Date</b> : 28.05.19</p> <p><b>Date of Sampling</b> : 20.05.19 to 21.05.19</p> <p><b>Analysis Started on</b> : 23.05.19</p> <p><b>Analysis Completed on</b> : 25.05.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
10:30 AM to 06:30 PM	91.11	32.57	15.11	33.09
06:50 PM to 02:50 AM	96.27	47.11	19.84	37.44
03:20 AM to 11:20 AM	83.78	31.06	14.03	32.18

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

*Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)*

*Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009*

**For, Indicative Consultant India**

P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
*Parbati Golui  
Manager Lab, Env. Div.  
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Parbati Golui  
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**Signatory Authority**

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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/018D</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR RAILWAY SIDING (NORTH)</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 34.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/018D</p> <p><b>Report Date</b> : 28.05.19</p> <p><b>Date of Sampling</b> : 20.05.19 to 21.05.19</p> <p><b>Analysis Started on</b> : 23.05.19</p> <p><b>Analysis Completed on</b> : 25.05.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
10:25 AM to 06:25 PM	92.65	40.26	15.16	31.59
06:45 PM to 02:45 AM	97.66	48.17	19.83	36.22
03:05 AM to 11:05 AM	83.17	38.63	14.03	30.75

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

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Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009

**For, Indicative Consultant India**

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For, INDICATIVE CONSULTANT INDIA  
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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/046A</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR BATCHING PLANT</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 33.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/046A</p> <p><b>Report Date</b> : 01.07.19</p> <p><b>Date of Sampling</b> : 24.06.19 to 25.06.19</p> <p><b>Analysis Started on</b> : 27.06.19</p> <p><b>Analysis Completed on</b> : 28.06.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
03:00 PM to 11:00 PM	93.55	39.22	14.02	31.92
11:30 PM to 07:30 AM	97.22	50.06	18.11	35.47
08:00 AM to 04:00 PM	90.03	36.41	15.03	30.22

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
04:30 PM to 12:30 AM	81.16	23.41	13.56	31.04
01:00 AM to 09:00 AM	90.67	30.26	16.78	33.67
09:30 AM to 05:30 PM	78.69	22.47	12.66	30.56

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/046C</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR MAIN GATE (SOUTH)</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 33.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/046C</p> <p><b>Report Date</b> : 01.07.19</p> <p><b>Date of Sampling</b> : 24.06.19 to 25.06.19</p> <p><b>Analysis Started on</b> : 27.06.19</p> <p><b>Analysis Completed on</b> : 28.06.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
04:00 PM to 12:00 AM	88.25	35.06	15.85	32.62
12:30 AM to 08:30 AM	95.53	49.77	20.12	36.74
09:00 AM to 05:00 PM	82.22	33.49	14.57	31.13

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009

**For, Indicative Consultant India**

P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
Parbati Golui  
Manager Lab, Env. Div.  
Indicative Consultant India

Parbati Golui  
(Manager Laboratory)  
**Signatory Authority**

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*Checked By*

- Note :**
1. Test results shown in this test report relate only to the item tested.
  2. This test report shall not be reproduce anywhere except in full and in some format without the approval of the laboratory.
  3. Retention period of tested samples (Filter Paper) is 6 months from the date of issue of test report unless otherwise specified.



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**ISO/IEC 17025:2005, ACCREDITED BY NABL, DEPARTMENT OF SCIENCE AND TECHNOLOGY,  
GOVERNMENT OF INDIA IN THE FIELD OF CHEMICAL AND MECHANICAL TESTING**

## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/046D</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR RAILWAY SIDING (NORTH)</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 33.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/046D</p> <p><b>Report Date</b> : 01.07.19</p> <p><b>Date of Sampling</b> : 24.06.19 to 25.06.19</p> <p><b>Analysis Started on</b> : 27.06.19</p> <p><b>Analysis Completed on</b> : 28.06.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
03:30 PM to 11:30 PM	89.27	22.75	16.00	33.00
12:00 AM to 08:00 AM	90.11	39.11	19.00	35.00
08:30 AM to 04:30 PM	80.31	30.85	15.00	31.00

**Note: During monitoring time, water spraying system was in running condition**

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

$PM_{10} = 100 \mu\text{g}/\text{m}^3$ ,  $PM_{2.5} = 60 \mu\text{g}/\text{m}^3$ ,  $SO_2 = 80 \mu\text{g}/\text{m}^3$ ,  $NO_2 = 80 \mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009

**For, Indicative Consultant India**

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*Checked By*

P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
*Parbati Golui*  
Manager Lab, Env. Div.  
Indicative Consultant India

Parbati Golui  
(Manager Laboratory)  
**Signatory Authority**

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GOVERNMENT OF INDIA IN THE FIELD OF CHEMICAL AND MECHANICAL TESTING

## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No.	: ICI/A/19-20/TRCL/152A	Sample Ref. No.	: TRCL/152A
Issued To	: M/s. The Ramco Cements Limited (Odisha Grinding Plant)	Report Date	: 31.07.19
Address	: P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha	Date of Sampling	: 22.07.19 to 23.07.19
Sample Description	: AMBIENT AIR	Analysis Started on	: 26.07.19
Location	: NEAR BATCHING PLANT	Analysis Completed on	: 29.07.19
Sample Condition	: Glass Microfibre Filter Paper & Plastic Bottle		
Sampling Method	: CPCB, Emission Regulation (Part III)		
Test Method	: CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).		
Ambient Temperature in °C (Average)	: 31.0		

Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
03:00 PM to 11:00 PM	90.37	32.05	17.39	33.68
11:30 PM to 07:30 AM	95.14	39.74	22.45	39.47
08:00 AM to 04:00 PM	86.52	31.16	16.44	32.15

Note: There was little bit rainfall yesternight of monitoring date

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009

For, Indicative Consultant India

P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
Parbati Golui  
Manager Lab, Env. Div.  
Indicative Consultant India

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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<p><b>Report No.</b> : ICI/A/19-20/TRCL/152B</p> <p><b>Issued To</b> : M/s. The Ramco Cements Limited (Odisha Grinding Plant)</p> <p><b>Address</b> : P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha</p> <p><b>Sample Description</b> : AMBIENT AIR</p> <p><b>Location</b> : NEAR OVER HEAD WATER TANK</p> <p><b>Sample Condition</b> : Glass Microfibre Filter Paper &amp; Plastic Bottle</p> <p><b>Sampling Method</b> : CPCB, Emission Regulation (Part III)</p> <p><b>Test Method</b> : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).</p> <p><b>Ambient Temperature</b> : 30.0 in °C (Average)</p>	<p><b>Sample Ref. No.</b> : TRCL/152B</p> <p><b>Report Date</b> : 31.07.19</p> <p><b>Date of Sampling</b> : 22.07.19 to 23.07.19</p> <p><b>Analysis Started on</b> : 26.07.19</p> <p><b>Analysis Completed on</b> : 29.07.19</p>
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Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
04:30 PM to 12:30 AM	80.57	22.45	13.76	31.16
01:00 AM to 09:00 AM	86.67	30.87	18.47	33.66
09:30 AM to 05:30 PM	77.03	24.46	12.67	30.75

**Note: There was little bit rainfall yesternight of monitoring date**

----- End of Report -----

*Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)*  
*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)*

*Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009*

**For, Indicative Consultant India**

*(Signature)*  
P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
*(Signature)*  
Parbati Golui  
Manager Lab, Env. Div.  
Indicative Consultant India

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## TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

<b>Report No.</b>	: ICI/A/19-20/TRCL/152C	<b>Sample Ref. No.</b>	: TRCL/152C
<b>Issued To</b>	: M/s. The Ramco Cements Limited (Odisha Grinding Plant)	<b>Report Date</b>	: 31.07.19
<b>Address</b>	: P.O. – Haridaspur, P.S. – Dharmasala, Dist – Jajpur, Odisha	<b>Date of Sampling</b>	: 22.07.19 to 23.07.19
<b>Sample Description</b>	: AMBIENT AIR	<b>Analysis Started on</b>	: 26.07.19
<b>Location</b>	: NEAR MAIN GATE (SOUTH)	<b>Analysis Completed on</b>	: 29.07.19
<b>Sample Condition</b>	: Glass Microfibre Filter Paper & Plastic Bottle		
<b>Sampling Method</b>	: CPCB, Emission Regulation (Part III)		
<b>Test Method</b>	: CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).		
<b>Ambient Temperature in °C (Average)</b>	: 30.0		

Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
04:00 PM to 12:00 AM	90.77	32.56	15.23	31.46
12:30 AM to 08:30 AM	94.15	40.97	19.42	35.57
09:00 AM to 05:00 PM	87.03	28.53	13.97	30.02

**Note: There was little bit rainfall yesternight of monitoring date**

----- End of Report -----

*Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)*

*PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub>=60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub>=80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)*

*Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November'2009*

**For, Indicative Consultant India**

*(Signature)*  
P. Golui (Manager Laboratory)  
For, INDICATIVE CONSULTANT INDIA  
*(Signature)*  
Parbati Golui  
Manager Lab, Env. Div.  
Indicative Consultant India

Parbati Golui  
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Issued To : M/s. The Ramco Cements Limited  
(Odisha Grinding Plant)  
Address : P.O. – Haridaspur, P.S. – Dharmasala,  
Dist – Jajpur, Odisha

Sample Ref. No. : TRCL/152D  
Report Date : 31.07.19  
Date of Sampling : 22.07.19  
to  
23.07.19  
Analysis Started on : 26.07.19  
Analysis Completed on : 29.07.19

Sample Description : AMBIENT AIR  
Location : NEAR RAILWAY SIDING (NORTH)  
Sample Condition : Glass Microfibre Filter Paper & Plastic Bottle  
Sampling Method : CPCB, Emission Regulation (Part III)  
Test Method : CPCB, Emission Regulation (Part III), IS: 5182 (Part – 23) 2006 (RA 2012), USEPA CFR 40 (Part – 50): Appendix L, IS: 5182 (Part – 2), 2001 (RA 2012), IS: 5182 (Part – 6): 2006 (RA 2012).  
Ambient Temperature : 31.0  
in °C (Average)

Time of Sampling	Concentration ( $\mu\text{g}/\text{m}^3$ )			
	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>
03:30 PM to 11:30 PM	85.48	23.67	15.88	33.11
12:00 AM to 08:00 AM	92.66	38.88	19.36	33.67
08:30 AM to 04:30 PM	79.87	28.85	14.45	32.03

Note: There was little bit rainfall yesternight of monitoring date

----- End of Report -----

Limit: ( $\mu\text{g}/\text{m}^3$ ) Ambient Air Quality standard (National)

PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Industrial, Residential, Rural & Other Area)

PM<sub>10</sub> = 100  $\mu\text{g}/\text{m}^3$ , PM<sub>2.5</sub> = 60  $\mu\text{g}/\text{m}^3$ , SO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , NO<sub>2</sub> = 80  $\mu\text{g}/\text{m}^3$ , 24 hours basis (Ecologically Sensitive Area)

Ref: National Ambient Air Quality Standards vide Central Pollution Control Board, New Delhi Notification dated 18<sup>th</sup> November '2009

For, Indicative Consultant India

Checked By

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For, INDICATIVE CONSULTANT INDIA  
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Indicative Consultant India

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