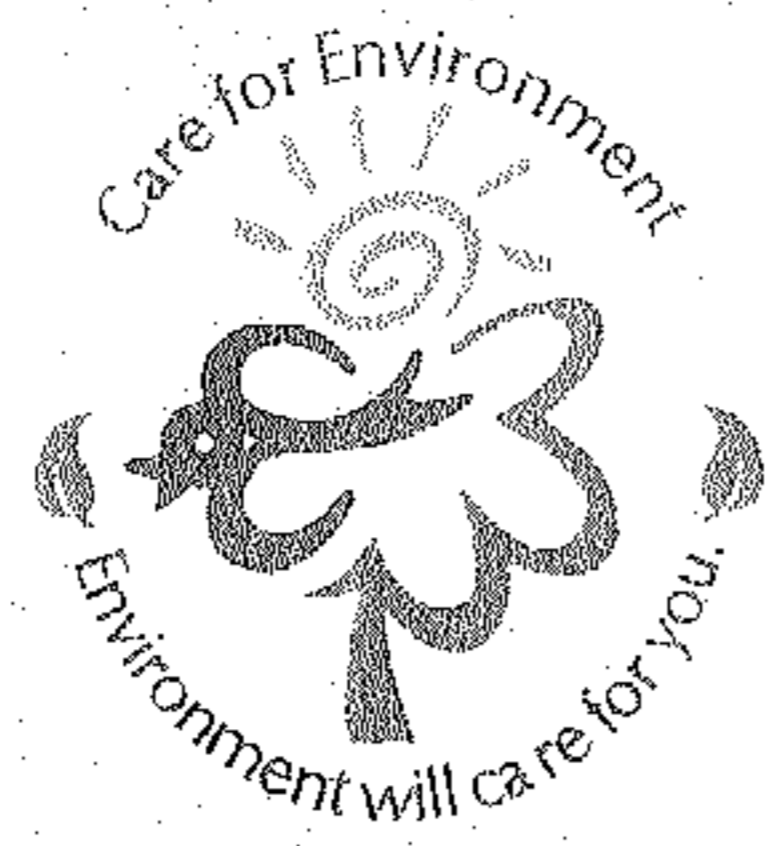


# **ANNEXURE 7 GROUND WATER ANALYSIS REPORT**

MOEF letter No:- J-13011/37/2007-IA.II(T) Dated 28<sup>th</sup> Sept,2008  
MOEF letter No:- J-11011/231/2009-IA II(I) Dated 8<sup>th</sup> June,2009  
MOEF letter No:- J-11011/52/2013-IA II(I) Dated 19<sup>th</sup> May, 2016



# Royal

## Environment Auditing & Consultancy Service

303-304, Shivalik-7, B/s. Bal Adalat, Gondal Road, RAJKOT - 360 002.

Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

### TEST REPORT ( WATER )

Test Report No : 678/01/2016-17

Date : 30/01/2017

Work Order No : ----

Job Card No : Gallant/16-17/042

Name of company : Gallantt Metal Limited

Survey No. 175/1, Near toll gate,  
Village : Samakhyali,  
Taluka : Bhachau,  
Kutchh.

Attention : Mr. Manoj Rastogi

Date of Sample Receipt : 21/01/2017

Date & Time of Sampling : 21/01/2017

Lab ID : W/16-17/01/121

Date of Testing : 22nd to 25th January 2017

Sample Type : Water

Description of Sample Packing : Plastic Bottle

Type of Sampling : Grab

Quantity of Sample : 1.0 Ltr.

Description : Ground Water

Sample Collected by : Mukesh Rathod

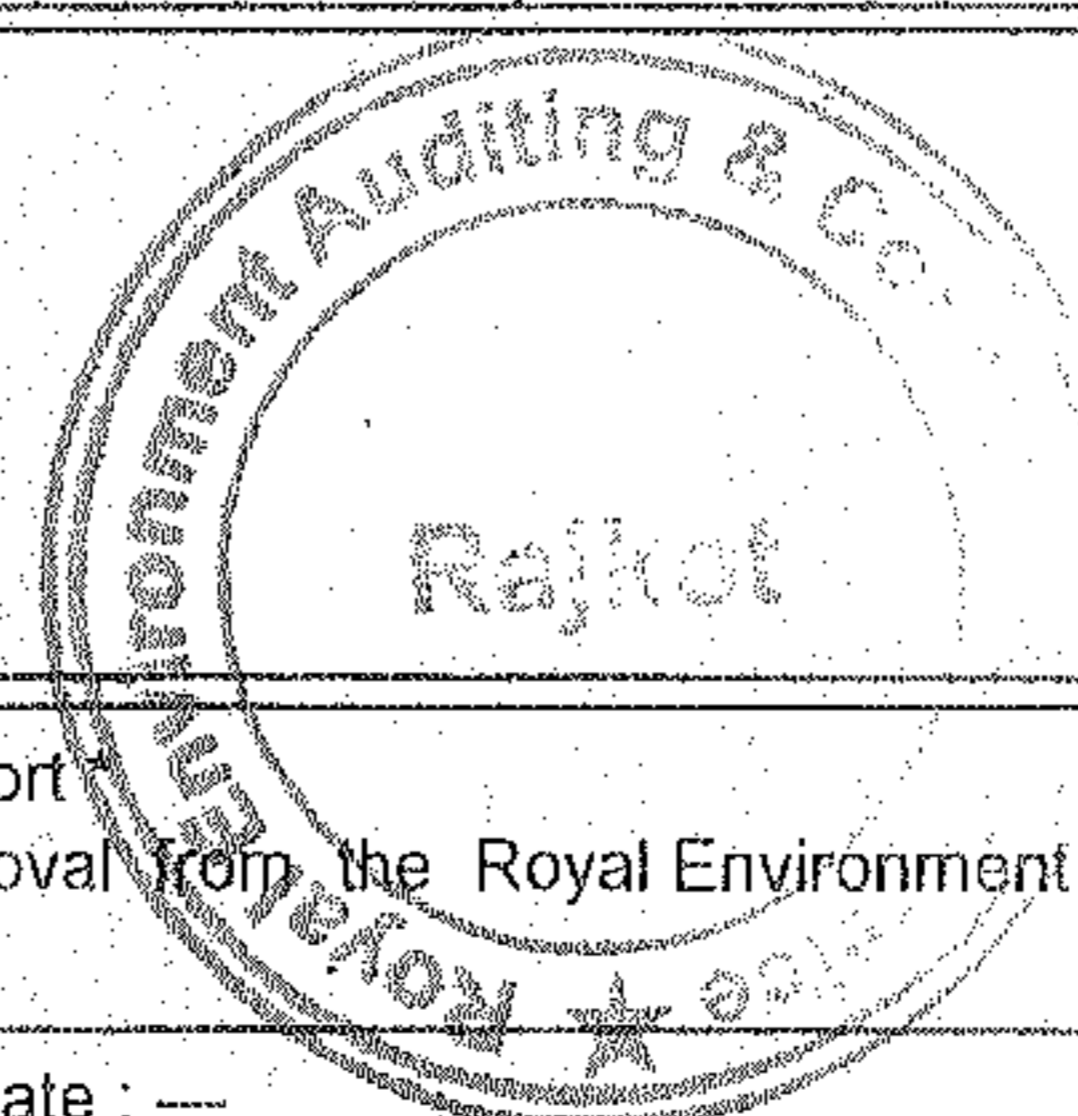
Sampling Method : IS 3025 : Part 1

Location of Sample : Ground Water - Nr. Solid Waste Storage Area

Sr. No.	Parameters	Unit	Acceptable Limits	Permissible Limits as per IS 10500-2012	Results	Test Method
01.	Color	Hazen Units	5	15	Colorless	IS 3025 : Part 44
02.	Odour	---	Agreeable	Agreeable	Odourless	IS 3025 : Part 5
03.	pH Value	---	6.5 - 8.5	No relaxation	7.3	IS 3025 : Part 11
04.	Turbidity	NTU	1	5	6	IS 3025 : Part 10
05.	Total Dissolved Solids	mg/l	500	2000	1622	IS 3025 : Part 16
06.	Total Suspended Solids	mg/l	---	---	15.5	IS 3025 : Part 17
07.	Total hardness (as CaCO <sub>3</sub> )	mg/l	200	600	730	IS 3025 : Part 21
08.	Calcium (as Ca)	mg/l	75	200	482	IS 3025 : Part 40
09.	Magnesium (as Mg)	mg/l	30	100	269	IS 3025 : Part 46
10.	Chloride (as Cl)	mg/l	250	1000	549	IS 3025 : Part 32
11.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	856	IS 3025 : Part 24
12.	Total alkalinity as (as CaCO <sub>3</sub> )	mg/l	200	600	744	IS 3025 : Part 23
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No relaxation	121	IS 3025 : Part 34
14.	Fluoride (as F)	mg/l	1	1.5	0.08	IS 3025 : Part 60
15.	Iron (as Fe)	mg/l	0.3	No relaxation	0.34	IS 3025 : Part 53
16.	Mineral oil	mg/l	0.5	No relaxation	N.D.	IS 3025 : Part 39
17.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	0.06	IS 3025 : Part 43
18.	Total arsenic (as As)	mg/l	0.01	0.05	Nil	IS 3025 : Part 37
19.	E. Coli	---	Absent	Absent	Absent	APHA
20.	Total Coliform Bacteria	---	Absent	Absent	Absent	APHA

**\*\* This water can't be used as drinking water**

Authorized Signatory  
Digvijay Jadeja



Analyst

\* End of Report

1. This test report (FMT-TP-SRV-014) shall not be reproduced except in full, without written approval from the Royal Environment Auditing & Consultancy Service  
2. The results relate only to the item tested.

Doc. No. FMT-TP-SRV-014/ Issue No. 01 / Issue Date : 23-03-14 / Ammend No.00 / Ammend Date : ---



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Ph.: +91 281 2360695 ■ E-mail : royaleenvironment@live.com ■ admin@royalconsultancy.com

### TEST REPORT ( WATER )

Test Report No : 638/10/2016-17

Date : 29/10/2016

Work Order No : ----

Job Card No : Gallant/16-17/042

Name of company : Gallantt Metal Limited

Survey No. 175/1, Near toll gate,  
Village : Samakhali,  
Taluka : Bhachau,  
Kutchh.

Attention : Mr. Manoj Rastogi

Date of Sample Receipt : 11/10/2016

Date & Time of Sampling : 11/10/2016

Lab ID : W/16-17/10/059

Date of Testing : 12th to 16th October 2016

Sample Type : Water

Description of Sample Packing : Plastic Bottle

Type of Sampling : Grab

Quantity of Sample : 1.0 Ltr.

Description : Ground Water

Sample Collected by : Mukesh Rathod

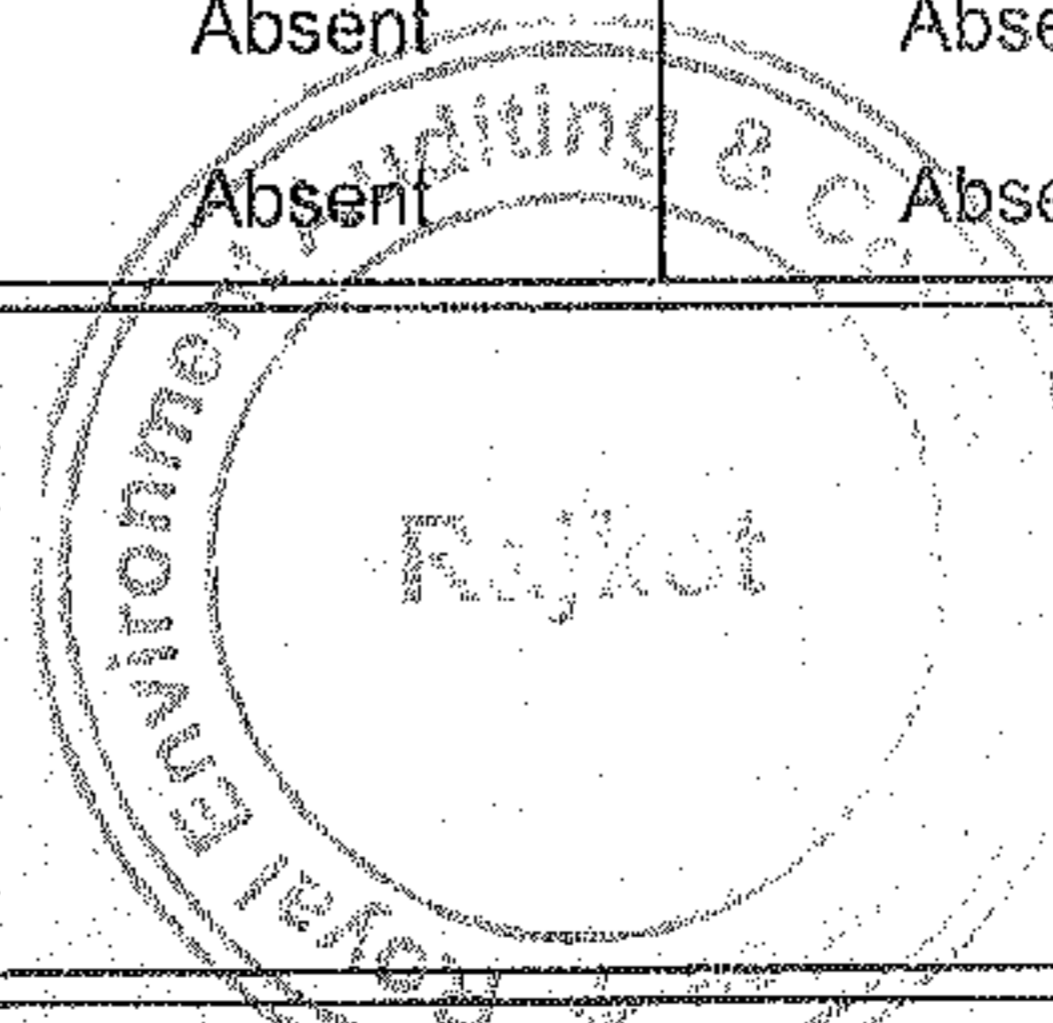
Sampling Method : IS 3025 : Part 1

Location of Sample : Ground Water - Nr. Solid Waste Storage Area

Sr. No.	Parameters	Unit	Acceptable Limits	Permissible Limits as per IS 10500-2012	Results	Test Method
01.	Color	Hazen Units	5	15	Colorless	IS 3025 : Part 44
02.	Odour	---	Agreeable	Agreeable	Odourless	IS 3025 : Part 5
03.	pH Value	---	6.5 - 8.5	No relaxation	7.26	IS 3025 : Part 11
04.	Turbidity	NTU	1	5	6	IS 3025 : Part 10
05.	Total Dissolved Solids	mg/l	500	2000	1529	IS 3025 : Part 16
06.	Total Suspended Solids	mg/l	---	---	14.9	IS 3025 : Part 17
07.	Total hardness (as CaCO <sub>3</sub> )	mg/l	200	600	838	IS 3025 : Part 21
08.	Calcium (as Ca)	mg/l	75	200	629	IS 3025 : Part 40
09.	Magnesium (as Mg)	mg/l	30	100	350	IS 3025 : Part 46
10.	Chloride (as Cl)	mg/l	250	1000	481	IS 3025 : Part 32
11.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	1031	IS 3025 : Part 24
12.	Total alkalinity as (as CaCO <sub>3</sub> )	mg/l	200	600	765	IS 3025 : Part 23
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No relaxation	143	IS 3025 : Part 34
14.	Fluoride (as F)	mg/l	1	1.5	0.06	IS 3025 : Part 60
15.	Iron (as Fe)	mg/l	0.3	No relaxation	0.32	IS 3025 : Part 53
16.	Mineral oil	mg/l	0.5	No relaxation	N.D.	IS 3025 : Part 39
17.	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	0.06	IS 3025 : Part 43
18.	Total arsenic (as As)	mg/l	0.01	0.05	Nil	IS 3025 : Part 37
19.	E. Coli	---	Absent	Absent	Absent	APHA
20.	Total Coliform Bacteria	---	Absent	Absent	Absent	APHA

**\*\* This water can't be used as drinking water**

Authorized Signatory  
Digvijay Jadeja



Mukesh  
Analyst

\* End of Report \*

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Doc. No. FMT-TP-SRV-014/ Issue No. 01 / Issue Date : 23-03-14 / Ammend No.00 / Ammend Date : ---

## **ANNEXURE 8**

### **Report of Fly Ash for Toxic Element**

MOEF letter No:- J-13011/37/2007-IA.II(T) Dated 28<sup>th</sup> Sept,2008

MOEF letter No:- J-11011/231/2009-IA II(I) Dated 8<sup>th</sup> June,2009

MOEF letter No:- J-11011/52/2013-IA II(I) Dated 19<sup>th</sup> May, 2016

