

# **ANNEXURE D**

## **REPORT OF TREATED EFFLUENT**

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





# Royal

## Environment Auditing & Consultancy Service

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Ref. No. : 712/04/2017-18

Date : 06/05/2017

### WASTE WATER SAMPLE ANALYSIS REPORT

Name of company : **Gallantt Metal Limited**  
Survey No. 175/1,  
Near toll gate,  
Village : Samakhyali,  
Taluka : Bhachau,  
Kutch, Gujarat.

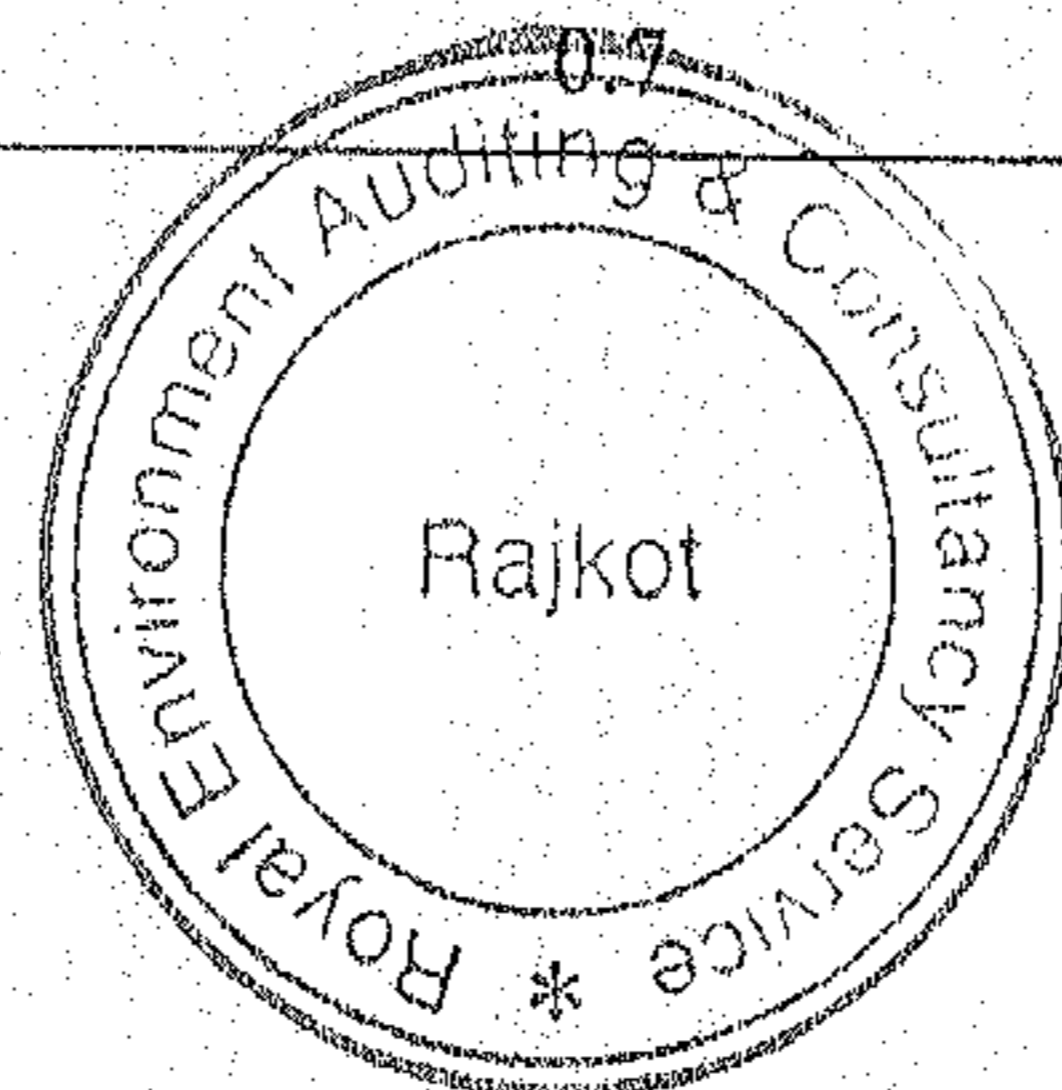
Date of sampling : 29/04/2017

Source of Sample: Waste Water Treatment Plant (ETP Plant)

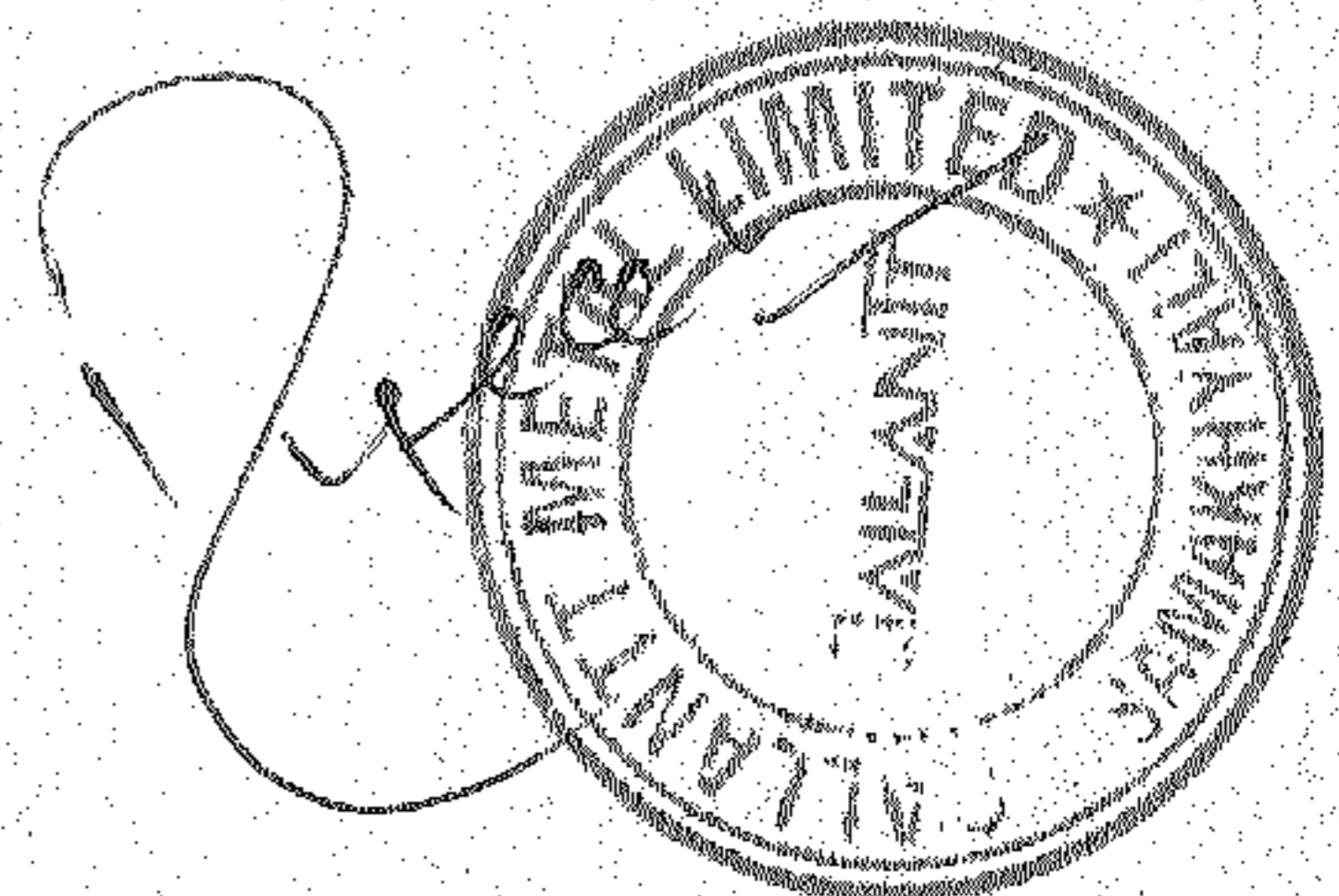
| Sr. No. | Parameters             | Unit        | GPCB Limits * | Waste Water (ETP Inlet) | Treated Water (ETP Outlet) |
|---------|------------------------|-------------|---------------|-------------------------|----------------------------|
| 1       | pH                     | pH Unit     | 6.5 to 8.5    | 8.1                     | 7.31                       |
| 2       | Colour                 | Pt.co scale | 100 Units     | 44                      | 15                         |
| 3       | Temp.                  | °C          | 40            | 32                      | 30                         |
| 4       | Suspended Solids       | Mg/Lit      | 100           | 38                      | 18                         |
| 5       | Total Dissolved Solids | Mg/Lit      | ---           | 912                     | 381                        |
| 6       | Total Solids           | Mg/Lit      | ---           | 950                     | 399                        |
| 7       | Oil & Grease           | Mg/Lit      | 10            | 2.7                     | 0.91                       |
| 8       | Sulphides              | Mg/Lit      | 2             | 1.9                     | 0.66                       |
| 9       | Phosphate              | Mg/Lit      | 5             | 5.6                     | 2.7                        |
| 10      | BOD                    | Mg/Lit      | 30            | 81                      | 21                         |
| 11      | COD                    | Mg/Lit      | 100           | 191                     | 49                         |
| 12      | Total Chromium (as Cr) | Mg/Lit      | 0.2           | 0.7                     | 0.08                       |
| 13      | Hexavalent Cr          | Mg/Lit      | 0.1           | 0.41                    | 0.27                       |
| 14      | Copper                 | Mg/Lit      | 1.0           | 0.68                    | 0.52                       |
| 15      | Total Iron (as Fe)     | Mg/Lit      | 1.0           | 3.4                     | 0.59                       |
| 16      | Zinc (as Zn)           | Mg/Lit      | 1.0           |                         | NIL                        |

\* GPCB Limits are only applicable to treated waste water (ETP Outlet)

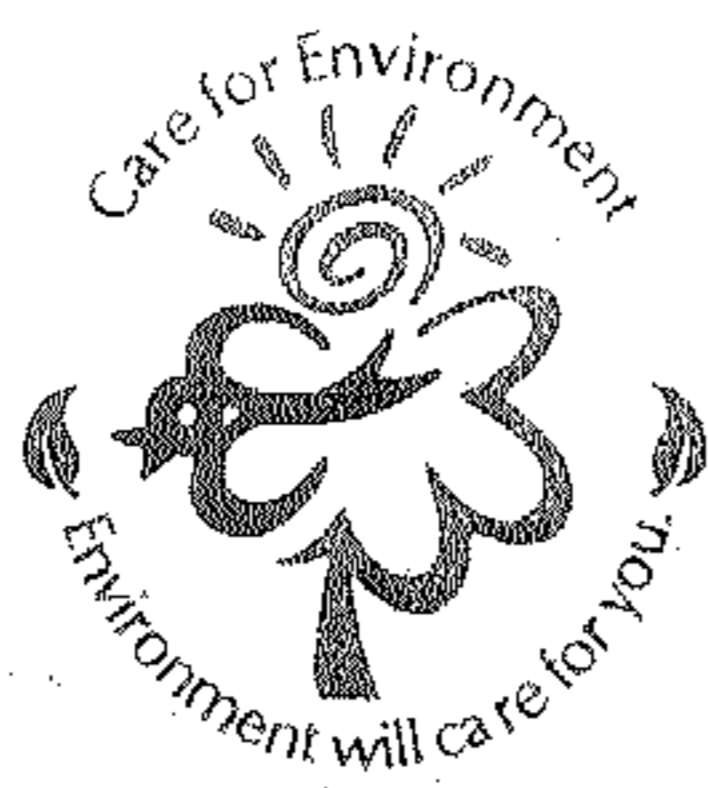
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*Mursh*  
Analyst







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Ref. No. : 737/07/2017-18

Date : 03/08/2017

### WASTE WATER SAMPLE ANALYSIS REPORT

Name of company : **Gallantt Metal Limited**

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

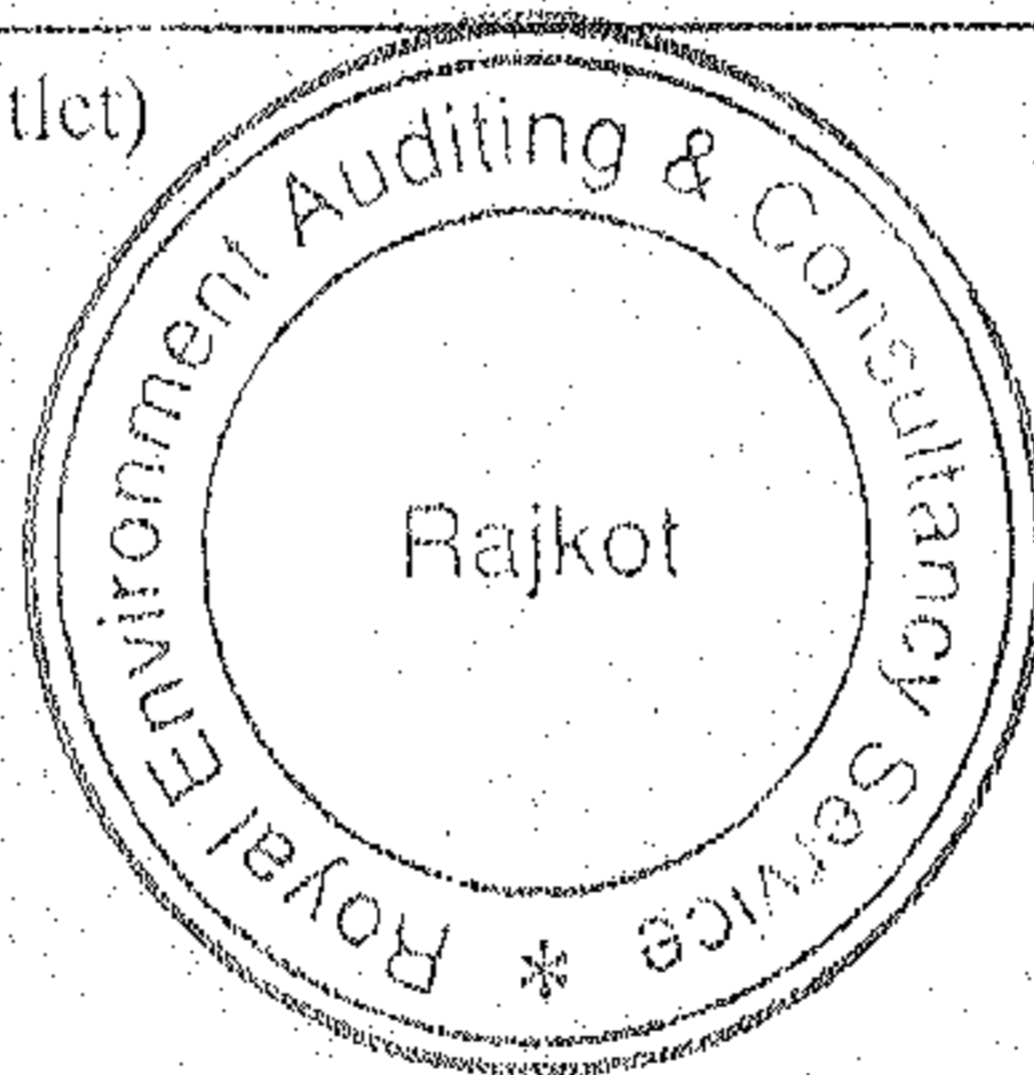
Date of sampling : 27/07/2017

Source of Sample: Waste Water Treatment Plant (ETP Plant)

| Sr. No. | Parameters             | Unit        | GPCB Limits * | Waste Water (ETP Inlet) | Treated Water (ETP Outlet) |
|---------|------------------------|-------------|---------------|-------------------------|----------------------------|
| 1       | pH                     | pH Unit     | 6.5 to 8.5    | 7.9                     | 7.16                       |
| 2       | Colour                 | Pt.co scale | 100 Units     | 37                      | 13                         |
| 3       | Temp.                  | °C          | 40            | 31                      | 30                         |
| 4       | Suspended Solids       | Mg/Lit      | 100           | 41                      | 16                         |
| 5       | Total Dissolved Solids | Mg/Lit      | ---           | 918                     | 377                        |
| 6       | Total Solids           | Mg/Lit      | ---           | 959                     | 393                        |
| 7       | Oil & Grease           | Mg/Lit      | 10            | 2.4                     | 0.85                       |
| 8       | Sulphides              | Mg/Lit      | 2             | 1.6                     | 0.58                       |
| 9       | Phosphate              | Mg/Lit      | 5             | 5.3                     | 2.9                        |
| 10      | BOD                    | Mg/Lit      | 30            | 76                      | 24                         |
| 11      | COD                    | Mg/Lit      | 100           | 185                     | 43                         |
| 12      | Total Chromium (as Cr) | Mg/Lit      | 0.2           | 0.9                     | 0.1                        |
| 13      | Hexavalent Cr          | Mg/Lit      | 0.1           | 0.47                    | 0.22                       |
| 14      | Copper                 | Mg/Lit      | 1.0           | 0.65                    | 0.48                       |
| 15      | Total Iron (as Fe)     | Mg/Lit      | 1.0           | 3.7                     | 0.61                       |
| 16      | Zinc (as Zn)           | Mg/Lit      | 1.0           | 0.8                     | NIL                        |

\* GPCB Limits are only applicable to treated waste water (ETP Outlet)

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