



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/EM/52

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/779
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.
Sample Description : Stack Air
Location : Edge Runner Mill BOD & Slurry Mixing
Sample Condition : In Glass Microfibre Thimble
Sampling Method : CPCB, Emission Regulation (Part III)
Test Method : CPCB, Emission Regulation (Part III), IS: 11255 (Part -1), 1985, Reaffirmed 2003, IS: 11255 (Part -3) 2008, ORSAT Method

Sample Ref. No. : A/H/779
Report Date : 15.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis completed on : 14.10.19
Time of Sampling : 10:15 AM

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	Edge runner Mill BOD & Slurry Mixing	Shape of Stack	Circular
Emission due to	Process Activities	Material of Construction	M.S.
Fuel Used	-	Stack ID at sampling point (M)	0.30
Rated Fuel Consumption	-	At Bottom (M)	-
Working Fuel Consumption	-	At Top (M)	0.30
Calorific Value(Kcal/kg)	-	Height Details :	
Sulphur Content (% by Wt)	-	a) Total Ht. Of stack from GL(M)	15.0
Ash Content (% by Wt.)	-	b) Total Ht. Of stack from RL(M)	-
Pollution Control Device	Bag Filter & Wet Scrubber	c) Ht. of sampling port from GL(M)	8.40
Whether Stack is provided with permanent Platform/Ladder	Yes	d) Ht. of port from disturbance zone (M)	-

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	32	Steam Generation Capacity :	
Barometric Pressure,(mm Hg)	754	a) Rated	-
Velocity of Gas flow (m/s)	7.80	b) Running	-
Quantity of Gas flow (Nm ³ /hr)	1926.16	Load : a) Rated	-
Pressure	-	b) Running	1 Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm ³)	1.8
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-
03.	Sulphur di-oxide (mg/ Nm ³)	-
04.	NOx (mg/m ³)	-
05.	CO % (V/V)	<0.2
06.	CO ₂ % (V/V)	<0.2

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

Checked By

For, Indicative Consultant India

Debasish Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.
3. Retention period of tested samples (Thimble) is 6 months from the date of issue of test report unless otherwise specified.
4. All general informations of stack are provided by the party.



HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: IC/H/52

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/781
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.

Sample Ref. No. : A/H/781
Report Date : 15.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis completed on : 14.10.19
Time of Sampling : 01:15 PM

Sample Description : Stack Air
Location : Pulverizer Section
Sample Condition : In Glass Microfibre Thimble
Sampling Method : CPCB, Emission Regulation (Part III)
Test Method : CPCB, Emission Regulation (Part III), IS: 11255 (Part -1), 1985, Reaffirmed 2003, IS: 11255 (Part -3) 2008, ORSAT Method

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	:	Pulverizer Section	Shape of Stack : Circular
Emission due to	:	Process Activity	Material of Construction : M.S.
Fuel Used	:	-	Stack ID at sampling point (M) : 0.2541
Rate of Fuel Consumption	:	-	At Bottom (M) : -
Working Fuel Consumption	:	-	At Top (M) : -
Calorific Value(Kcal/kg)	:	-	Height Details :
Sulphur Content (% by Wt)	:	-	a) Total Ht. Of stack from GL(M) : 15.0
Ash Content (% by Wt.)	:	-	b) Total Ht. Of stack from RL(M) : -
Pollution Control Device	:	Bag Filter	c) Ht. of sampling port from GL(M) : 6.7
Whether Stack is provided with permanent Platform/Ladder	:	Yes	d) Ht. of port from disturbance zone (M) : -

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	:	35	Steam Generation Capacity :
Barometric Pressure,(mm Hg)	:	754	a) Rated : -
Velocity of Gas flow (m/s)	:	7.44	b) Running : -
Quantity of Gas flow (Nm ³ /hr)	:	1305.14	Load : a) Rated : -
Pressure	:	-	b) Running : 1Ton/Hr.

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm ³)	1.9
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-
03.	Sulphur di-oxide (mg/ Nm ³)	-
04.	NOx (mg/m ³)	-
05.	CO % (V/V)	<0.2
06.	CO ₂ % (V/V)	<0.2

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

Checked By

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
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 same format without the approval of the laboratory.
3. Retention period of tested samples (Thimble) is 6 months from the date of issue of test report unless otherwise specified.
4. All general informations of stack are provided by the party.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/52

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/H/19-20/782
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.

Sample Ref. No. : A/H/782
Report Date : 15.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis completed on : 14.10.19
Time of Sampling : 12:15 PM

Sample Description : Stack Air
Location : D.G. Set (725 KVA)
Sample Condition : In Glass Microfibre Thimble & Plastic Bottle
Sampling Method : CPCB, Emission Regulation (Part III)
Test Method : CPCB, Emission Regulation (Part III), IS: 11255 (Part -1), 1985, Reaffirmed 2003, IS: 11255 (Part -3), 2008, IS: 11255 (Part -2), 1985, Reaffirmed 2003, ORSAT Method, EPA Method No. - 7.

A.] GENERAL INFORMATION ABOUT STACK:

Particulars of the Plant			
Stack attached to	: D.G. Set (725 KVA)	Shape of Stack	: Circular
Emission due to	: Combustion of H.S.D	Material of Construction	: M.S.
Fuel Used	: H.S.D	Stack ID at sampling point (M)	: 0.20
Rated Fuel Consumption	: 145 Lit/Hr.	At Bottom (M)	: -
Working Fuel Consumption	: 145 Lit/Hr.	At Top (M)	: 0.20
Calorific Value(Kcal/kg)	: -	Height Details :	
Sulphur Content (% by Wt)	: -	a) Total Ht. Of stack from GL(M)	: 16.0
Ash Content (% by Wt.)	: -	b) Total Ht. Of stack from RL(M)	: -
Pollution Control Device	: Nil	c) Ht. of sampling port from GL(M)	: 8.4
Whether Stack is provided with permanent Platform/Ladder	: Yes	d) Ht. of port from disturbance zone (M)	: -

B.] PHYSICAL DATA:

Flue Gas Temperature (°C)	: 160	Steam Generation Capacity:	
Barometric Pressure,(mm Hg)	: 754	a) Rated	: -
Velocity of Gas flow (m/s)	: 12.97	b) Running	: -
Quantity of Gas flow (Nm ³ /hr)	: 1002.80	Load :	
Pressure	: -	a) Rated	: 725 KVA
		b) Running	: 725 KVA

C.] RESULT OF SAMPLING:

Sl. No.	Parameters	Result Obtained
01.	Particulate Matter (mg/Nm ³)	41.0
02.	Particulate Matter Normalised to 12% CO ₂ (V/V) - (mg/Nm ³)	-
03.	Sulphur di-oxide (mg/ Nm ³)	249.83
04.	NOx (mg/m ³)	132.12
05.	CO % (V/V)	<0.2
06.	CO ₂ % (V/V)	6.6

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

Checked By

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
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 same format without the approval of the laboratory.
3. Retention period of tested samples (Thimble) is 6 months from the date of issue of test report unless otherwise specified.
4. All general informations of stack are provided by the party.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: ICVPM51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/291
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/291
Report Date : 17.10.19
Date of Sampling : 11.10.19
To : 12.10.19

Sample Description : Ambient Air
Location : NEAR SCRAP YARD
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), Non-Dispersive Infrared Spectrometry Method, Soxhlet Extraction and GC analysis, Atomic Absorption Spectrophotometric Method, Indophenol Blue Method

Ambient Temperature : 24.0
in °C (Average)

Time of Sampling	Concentration ($\mu\text{g}/\text{m}^3$)								Concentration (ng/m^3)		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Pb	Benzene	NH ₃	CO	Benzo(a) Pyrene	As	Ni
10:30 AM to 06:30 PM	75.07	27.19	16.46	37.81	BDL	BDL	BDL	0.0566	BDL	BDL	BDL
06:45 PM to 02:45 AM	92.35	36.81	20.58	39.49	BDL	BDL	BDL	0.1129	BDL	BDL	BDL
03:00 AM to 11:00 AM	73.86	23.56	15.43	32.77	BDL	BDL	BDL	0.3792	BDL	BDL	BDL

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

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

PM₁₀= 100 $\mu\text{g}/\text{m}^3$, PM_{2.5}=60 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, Lead=1.0 $\mu\text{g}/\text{m}^3$, Ammonia=400 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide=2 mg/m^3 , 8hours basis, Benzene=5 $\mu\text{g}/\text{m}^3$, Benzopyrene=1 ng/m^3 , Arsenic =6 ng/m^3 , Nickel=20 ng/m^3 , Annual basis
For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

For, Indicative Consultant India

.....
Checked By

Debasish Halder
(Sr. Chemist)
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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: ICI/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/291A
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/291A
Report Date : 17.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis Completed on : 14.10.19

Sample Description : Ambient Air
Location : NEAR SCRAP YARD
Sample Condition : Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle
Sampling Method : UV Photometric Method / Air Sampling & Analysis 3rd Edition, CPCB Guideline (Vol. - 1)
Test Method : Using O₃ Analyser/ Titrimetric Method

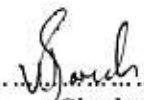
Time	Concentration ($\mu\text{g}/\text{m}^3$)
	Ozone as O ₃
10:30 AM to 06:30 PM	38.07

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

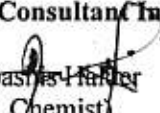
Limit: ($\mu\text{g}/\text{m}^3$) Ambient Air Quality standard (National)

O₃-100 $\mu\text{g}/\text{m}^3$, 8 hours basis (Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area)

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


Checked By

For, Indicative Consultant India


Debasis Halder
(Sr. Chemist)
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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: IC/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/292
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/292

Report Date : 17.10.19

Date of Sampling : 11.10.19

To

12.10.19

Analysis Started on : 14.10.19

Analysis Completed on : 16.10.19

Sample Description : Ambient Air
Location : NEAR STOCK YARD
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), Non-Dispersive Infrared Spectrometry Method, Soxhlet Extraction and GC analysis, Atomic Absorption Spectrophotometric Method, Indophenol Blue Method

Ambient Temperature : 28.0
in °C (Average)

Time of Sampling	Concentration ($\mu\text{g}/\text{m}^3$)								Concentration (ng/m^3)		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Pb	Benzene	NH ₃	CO	Benzo(a) Pyrene	As	Ni
10:15 AM to 06:15 PM	81.36	22.84	14.40	39.49	BDL	BDL	BDL	0.0581	BDL	BDL	BDL
06:30 PM to 02:30 AM	93.17	29.59	19.55	43.69	BDL	BDL	BDL	0.1132	BDL	BDL	BDL
02:45 AM to 10:45 AM	76.84	26.25	13.37	37.81	BDL	BDL	BDL	0.4039	BDL	BDL	BDL

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

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

PM₁₀=100 $\mu\text{g}/\text{m}^3$, PM_{2.5}=60 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, Lead=1.0 $\mu\text{g}/\text{m}^3$, Ammonia=400 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide=2 mg/m^3 , 8 hours basis, Benzene=5 $\mu\text{g}/\text{m}^3$, Benzopyrene=1 ng/m^3 , Arsenic =6 ng/m^3 , Nickel=20 ng/m^3 , Annual basis

For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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


Checked By

For, Indicative Consultant India

Debashis Harder
(Sr. Chemist)

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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: IC/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/292A
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/292A
Report Date : 17.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis Completed on : 14.10.19

Sample Description : Ambient Air
Location : NEAR STOCK YARD
Sample Condition : Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle
Sampling Method : UV Photometric Method / Air Sampling & Analysis 3rd Edition, CPCB Guideline (Vol. - 1)
Test Method : Using O₃ Analyser/ Titrimetric Method

Time	Concentration ($\mu\text{g}/\text{m}^3$)
	Ozone as O ₃
10:15 AM to 06:15 PM	39.25

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

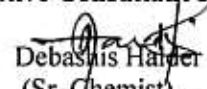
Limit: ($\mu\text{g}/\text{m}^3$) Ambient Air Quality standard (National)

O₃-100 $\mu\text{g}/\text{m}^3$, 8 hours basis (Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area)

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


.....
Checked By

For, Indicative Consultant India


Debashis Haldar
(Sr. Chemist)
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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: ICI/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/293
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/293

Report Date : 17.10.19

Date of Sampling : 11.10.19

To

12.10.19

Analysis Started on : 14.10.19

Analysis Completed on : 16.10.19

Sample Description : Ambient Air

Location : NEAR MAIN GATE

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), Non-Dispersive Infrared Spectrometry Method, Soxhlet Extraction and GC analysis, Atomic Absorption Spectrophotometric Method, Indophenol Blue Method

Ambient Temperature : 28.0

in °C (Average)

Time of Sampling	Concentration ($\mu\text{g}/\text{m}^3$)								Concentration (ng/m^3)		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Pb	Benzene	NH ₃	CO	Benzo(a) Pyrene	As	Ni
10:00 AM to 06:00 PM	73.95	27.98	18.52	39.49	BDL	BDL	BDL	0.0592	BDL	BDL	BDL
06:15 PM to 02:15 AM	92.67	37.04	21.66	44.53	BDL	BDL	BDL	0.1175	BDL	BDL	BDL
02:30 AM to 10:30 AM	82.08	30.38	17.53	40.33	BDL	BDL	BDL	0.3429	BDL	BDL	BDL

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

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

PM₁₀= 100 $\mu\text{g}/\text{m}^3$, PM_{2.5}=60 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, Lead=1.0 $\mu\text{g}/\text{m}^3$, Ammonia=400 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide=2 mg/m^3 , 8 hours basis, Benzene=5 $\mu\text{g}/\text{m}^3$, Benzopyrene=1 ng/m^3 , Arsenic =6 ng/m^3 , Nickel=20 ng/m^3 , Annual basis

For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

For, Indicative Consultant India

.....
Checked By

Debasish Halder
(Sr. Chemist)

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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: ICI/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/293A
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/293A
Report Date : 17.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis Completed on : 14.10.19

Sample Description : Ambient Air
Location : NEAR MAIN GATE
Sample Condition : Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle
Sampling Method : UV Photometric Method / Air Sampling & Analysis 3rd Edition, CPCB Guideline (Vol. - I)
Test Method : Using O₃ Analyser/ Titrimetric Method

Time	Concentration ($\mu\text{g}/\text{m}^3$)
	Ozone as O ₃
10:00 AM to 06:00 PM	37.11

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

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

O₃-100 $\mu\text{g}/\text{m}^3$, 8 hours basis (Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area)

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

.....
Checked By

For, Indicative Consultant India

Debashis Halder
(Sr. Chemist)
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.



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/A/19-20/RIL/294
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/294
Report Date : 17.10.19
Date of Sampling : 11.10.19
To : 12.10.19

Sample Description : Ambient Air
Location : BACK SIDE OF THE PLANT
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), Non-Dispersive Infrared Spectrometry Method, Soxhlet Extraction and GC analysis, Atomic Absorption Spectrophotometric Method, Indophenol Blue Method

Ambient Temperature : 28.0
in °C (Average)

Time of Sampling	Concentration ($\mu\text{g}/\text{m}^3$)								Concentration (ng/m^3)		
	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	Pb	Benzene	NH ₃	CO	Benzo(a) Pyrene	As	Ni
10:45 AM to 06:45 PM	30.53	92.39	14.40	37.81	BDL	BDL	BDL	0.0542	BDL	BDL	BDL
07:00 PM to 03:00 AM	38.27	98.12	17.49	42.01	BDL	BDL	BDL	0.0992	BDL	BDL	BDL
03:15 AM to 11:15 AM	27.85	86.93	13.37	36.13	BDL	BDL	BDL	0.3875	BDL	BDL	BDL

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

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

PM₁₀= 100 $\mu\text{g}/\text{m}^3$, PM_{2.5}=60 $\mu\text{g}/\text{m}^3$, SO₂=80 $\mu\text{g}/\text{m}^3$, NO₂=80 $\mu\text{g}/\text{m}^3$, Lead=1.0 $\mu\text{g}/\text{m}^3$, Ammonia=400 $\mu\text{g}/\text{m}^3$, 24 hours basis, Carbon mono oxide=2 mg/m^3 , 8 hours basis, Benzene=5 $\mu\text{g}/\text{m}^3$, Benzopyrene=1 ng/m^3 , Arsenic =6 ng/m^3 , Nickel=20 ng/m^3 , Annual basis
For, Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area

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

For, Indicative Consultant India

.....
Checked By

Debasish Halder
(Sr. Chemist)
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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO: IC/FM/51

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICIA/19-20/RIL/294A
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, Paschim Medinipur.

Sample Ref. No. : RIL/294A
Report Date : 17.10.19
Date of Sampling : 11.10.19
Analysis Started on : 14.10.19
Analysis Completed on : 14.10.19

Sample Description : Ambient Air
Location : BACK SIDE OF THE PLANT
Sample Condition : Suction of ambient air direct into analyser through Teflon tube and in Plastic Bottle
Sampling Method : UV Photometric Method / Air Sampling & Analysis 3rd Edition, CPCB Guideline (Vol. - 1)
Test Method : Using O₃ Analyser/ Titrimetric Method

Time	Concentration ($\mu\text{g}/\text{m}^3$)
	Ozone as O ₃
10:45 AM to 06:45 PM	37.95

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

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

O₃-100 $\mu\text{g}/\text{m}^3$, 8 hours basis (Industrial, Residential, Rural & Other Area and Ecologically Sensitive Area)

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

.....
Checked By

For, Indicative Consultant India

Debasmita Halder
(Sr. Chemist)
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.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/35A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Sample submitted and identified by customer as: N.A.

Report No. : ICI/W/19-20/867

Issued To : M/s. Ramco Industries Ltd.

Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.

Sample Condition : In Plastic Bottle

Sample Description : Process Water

Sampling Method : IS:3025 (Part I): 1987 (RA 2014), APHA 22nded 2012

Test Method : APHA 22nded2012, IS:3025

Location : Cone Tank - 2

Sample Ref. No. : W/867

Report Date : 21.10.19

Sampling Date on : 11.10.19

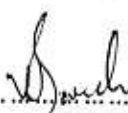
Analysis Started on : 12.10.19

Analysis Completed on : 19.10.19

Time of Sampling : 02:00 PM

Sl. No.	Parameters	Unit	Result	Method Followed
1.	pH (at 24°C)	---	12.38	IS:3025(Part-11):1983 : RA 2012, APHA 22 nd Edition 4500-F ⁻ B
2.	Total Dissolved Solids (TDS)	mg/L	11280.0	IS:3025(Part-16):1984: RA 2012 APHA 22 nd Edition 2540 C
3.	Total Suspended Solid (TSS)	mg/L	77.0	IS:3025 (Part-17): 1984 : RA 2012, APHA 22 nd Edition 2540D
4.	Total Alkalinity as CaCO ₃	mg/L	4438.5	IS:3025(Part-23):1986: RA 2014 APHA 22 nd Edition 2320 B
5.	Turbidity	N.T.U.	6.2	IS:3025(Part-10):1984: RA 2012 APHA 22 nd Edition 2130 B
6.	Total Hardness as CaCO ₃	mg/L	429.2	IS:3025(Part-21):2009: RA 2012 APHA 22 nd Edition 2340 C

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


Checked By

For, Indicative Consultant India


Debashis Halder
(Sr. Chemist)
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 same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.

Page 1 of 1

Kolkata Lab : B1-1/22/1-2, Santoshpur (M) Block-B, Maheshtala, Kol-700 142, Mob: 9434017584, 9836470938, 7797506970

Durgapur Office : C/o. Manjuri Das, 34 Moulana Azad Sarani, City Centre, Durgapur, Dist. West Burdwan, Pin-713216, Mob. : 9832395890, 7797506973

Towards Sustainable Growth



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/PM/55A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Sample submitted and identified by customer as: N.A.

Report No. : ICI/W/19-20/868

Issued To : M/s. Ramco Industries Ltd.

Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.

Sample Condition : In Plastic Bottle & Glass Bottle

Sample Description : Drinking Water

Sampling Method : IS:3025 (Part I): 1987 (RA 2014), APHA 22nded 2012

Test Method : APHA 22nded 2012, IS:3025

Location : Guest House

Sample Ref. No. : W/868

Report Date : 21.10.19

Date of Sampling : 11.10.19

Analysis Started on : 12.10.19

Analysis Completed on : 19.10.19

Time of Sampling : 01:15 PM

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):1983: RA 2012 APHA 22 nd Edition 2150 B
3.	pH (at 24°C)	-	6.53	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2012, APHA 22 nd Edition 4500-H' B
4.	Conductivity	μS/cm	136.0	-	-	IS: 3025(Part-14):1984: RA 2013 APHA 22 nd Edition 2510 B
5.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4) 1983: RA 2012
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2012 APHA 22 nd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	88.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2012 APHA 22 nd Edition 2540 C
8.	Total Hardness as CaCO ₃	mg/L	45.0	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2012 APHA 22 nd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	38.8	-	-	APHA 22 nd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	6.2	-	-	APHA 22 nd Edition 2340 C
11.	Calcium as Ca	mg/L	15.6	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 22 nd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	1.5	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2014 APHA 22 nd Edition 3500Mg B
13.	Chloride as Cl	mg/L	14.5	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2014 APHA 22 nd Edition 4500Cl B
14.	Total Alkalinity as CaCO ₃	mg/L	52.5	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2014 APHA 22 nd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 22 nd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	52.5	-	-	APHA 22 nd Edition 2320B



Page : 1 of 2



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/EM/55A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

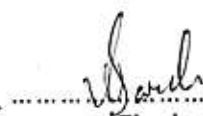
Report No : ICI/W/19-20/868

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
17.	Iron as Fe	mg/L	0.12	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003: RA 2012 APHA 22 nd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	<1.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986: RA 2014 APHA 22 nd Edition 4500 SO ₄ ²⁻ E
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 22 nd Edition 4500P D
20.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 22 nd Edition 3500As B
21.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 22 nd Edition 3111 B
22.	Silica as SiO ₂	mg/L	18.6	-	-	IS:3025(Part-35):1988, RA 2014 APHA 22 nd Edition 4500 SiO ₂ C
23.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008 : RA 2013 APHA 22 nd Edition 4500 FD
Bacteriological Characteristics						
24.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981: 1 st Revision: RA 2009
25.	Fecal Coliform	MPN/100 ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981: 1 st Revision: RA 2009

Remarks: 1) Chemically satisfactory for the above mentioned parameters.

2) Bacteriologically satisfactory for the above mentioned parameters.

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


.....
Checked By

For, Indicative Consultant India


Debashis Haider
(Sr. Chemist)
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 same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.

Page 2 of 2

Towards Sustainable Growth



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/55A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Sample submitted and identified by customer as: N.A.

Report No. : ICI/W/19-20/869
Issued To : M/s. Ramco Industries Ltd.
Address : Dewanmaro, Ayma, P.O.-Hariatara,
P.S.-Kharagpur, PaschimMedinipur.
Sample Condition : In Plastic Bottle & Glass Bottle
Sample Description : Drinking Water
Sampling Method : IS:3025 (Part I): 1987 (RA 2014), APHA 22nded 2012
Test Method : APHA 22nded 2012, IS:3025
Location : Inside the Plant

Sample Ref. No. : W/869
Report Date : 21.10.19
Date of Sampling : 11.10.19
Analysis Started on : 12.10.19
Analysis Completed on : 19.10.19
Time of Sampling : 01:30 PM

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
1.	Appearance	-	Clear	-	-	-
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS:3025(Part-5):1983: RA 2012 APHA 22 nd Edition 2150 B
3.	pH (at 24°C)	-	6.54	6.5 to 8.5	No Relaxation	IS:3025(Part-11):1983 : RA 2012, APHA 22 nd Edition 4500-H ⁺ B
4.	Conductivity	μS/cm	128.0	-	-	IS: 3025(Part-14):1984: RA 2013 APHA 22 nd Edition 2510 B
5.	Colour	Hazen Unit	<5.0	5	15	IS:3025(Part-4) 1983: RA 2012
6.	Turbidity	N.T.U.	<1.0	1 (Max)	5 (Max)	IS:3025(Part-10):1984: RA 2012 APHA 22 nd Edition 2130 B
7.	Total Dissolved Solid (TDS)	mg/L	87.0	500 (Max)	2000 (Max)	IS:3025(Part-16):1984: RA 2012 APHA 22 nd Edition 2540 C
8.	Total Hardness as CaCO ₃	mg/L	42.9	200 (Max)	600 (Max)	IS:3025(Part-21):2009: RA 2012 APHA 22 nd Edition 2340 C
9.	Ca Hardness as CaCO ₃	mg/L	35.8	-	-	APHA 22 nd Edition 2340 C
10.	Mg Hardness as CaCO ₃	mg/L	7.1	-	-	APHA 22 nd Edition 2340 C
11.	Calcium as Ca	mg/L	14.3	75 (Max)	200 (Max)	IS:3025(Part-40):1991: RA 2014 APHA 22 nd Edition 3500Ca B
12.	Magnesium as Mg	mg/L	1.7	30 (Max)	100 (Max)	IS:3025(Part-46):1994: RA 2014 APHA 22 nd Edition 3500Mg B
13.	Chloride as Cl	mg/L	15.5	250 (Max)	1000 (Max)	IS:3025(Part-32):1988: RA 2014 APHA 22 nd Edition 4500Cl ⁻ B
14.	Total Alkalinity as CaCO ₃	mg/L	47.1	200 (Max)	600 (Max)	IS:3025(Part-23):1986: RA 2014 APHA 22 nd Edition 2320 B
15.	P-Alkalinity as CaCO ₃	mg/L	Nil	-	-	APHA 22 nd Edition 2320B
16.	M-Alkalinity as CaCO ₃	mg/L	47.1	-	-	APHA 22 nd Edition 2320B





UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/55A

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

Report No : ICI/W/19-20/869

Sl. No.	Parameters	Unit	Result	As Per IS:10500:2012		Method Followed
				Desirable Limit	Permissible limit in the absence of alternate source	
17.	Iron as Fe	mg/L	0.09	0.3 (Max)	No Relaxation	IS:3025(Part-53):2003; RA 2012 APHA 22 nd Edition 3500-Fe B
18.	Sulfate as SO ₄	mg/L	<1.5	200 (Max)	400 (Max)	IS:3025(Part-24):1986; RA 2014 APHA 22 nd Edition 4500 SO ₄ ²⁻ E
19.	Phosphate as P	mg/L	<0.02	-	-	APHA 22 nd Edition 4500P D
20.	Arsenic as As	mg/L	<0.01	0.01 (Max)	0.05 (Max)	APHA 22 nd Edition 3500As B
21.	Manganese as Mn	mg/L	<0.1	0.1 (Max)	0.3 (Max)	APHA 22 nd Edition 3111 B
22.	Silica as SiO ₂	mg/L	24.6	-	-	IS:3025(Part-35):1988; RA 2014 APHA 22 nd Edition 4500 SiO ₂ C
23.	Fluoride as F	mg/L	<0.04	1 (Max)	1.5 (Max)	IS:3025(Part-60):2008; RA 2013 APHA 22 nd Edition 4500 FD
Bacteriological Characteristics						
24.	Total Coliform	MPN/100 ml	<2.0	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981; 1 st Revision: RA 2009
25.	Fecal Coliform	MPN/100 ml	Absent	Shall not be detectable in any 100 ml of sample	-	IS: 1622:1981; 1 st Revision: RA 2009

Remarks: 1) Chemically satisfactory for the above mentioned parameters.
2) Bacteriologically satisfactory for the above mentioned parameters.

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

[Signature]

Checked By

For, Indicative Consultant India

[Signature]
Debashis Halder
(Sr. Chemist)

Signatory Authority



Notes:

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 same format without the approval of the laboratory.
3. Retention period of tested samples is 10 days from the date of issue of test report unless otherwise specified.

Page 2 of 2



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/59

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/681
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.
Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Near Main Gate
Limit : Industrial Area Day Time : 75 dB (A)
Commercial Area Day Time : 65 dB (A)
Residential Area Day Time : 55 dB (A)

Sample Ref. No. : SL/681
Report Date : 15.10.19
Date of Monitoring : 11.10.19

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M

Starting Time : 11:00 AM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	49.5	0.11111111	8912.509	130281.523
2	49.9		9772.372	
3	50.2		10471.285	
4	51.4		13803.843	
5	52.8		19054.607	
6	49.8		9549.926	
7	50.3		10715.193	
8	51.8		15135.612	
9	51.9		15488.166	
10	52.4		17378.008	

* The equivalent Noise Level Leq. 51.15 dB(A)

Maximum dB(A): 52.8

Minimum dB (A): 49.5

.....
Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debasish Haider
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/59

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/682
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.

Sample Ref. No. : SL/682
Report Date : 15.10.19
Date of Monitoring : 11.10.19

Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Near Main Gate
Limit : Industrial Area Night Time : 70 dB (A)
Commercial Area Night Time : 55 dB (A)
Residential Area Night Time : 45 dB (A)

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M
Starting Time : 10:15 PM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	47.2	0.11111111	5248.075	63801.673
2	47.4		5495.409	
3	48.2		6606.934	
4	48.5		7079.458	
5	47.9		6165.950	
6	48.6		7244.360	
7	48.9		7762.471	
8	48.0		6309.573	
9	47.1		5128.614	
10	48.3		6760.830	

* The equivalent Noise Level Leq. 48.05 dB(A)

Maximum dB(A): 48.9

Minimum dB (A): 47.1

..... End of Report
Checked By

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/59

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/683
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.
Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Near Stock Yard
Limit : Industrial Area Day Time : 75 dB (A)
Commercial Area Day Time : 65 dB (A)
Residential Area Day Time : 55 dB (A)

Sample Ref. No. : SL/683
Report Date : 15.10.19
Date of Monitoring : 11.10.19

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M
Starting Time : 11:15 AM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	60.2	0.11111111	104712.855	1412767.085
2	61.5		141253.754	
3	60.3		107151.931	
4	61.8		151356.125	
5	62.4		173780.083	
6	60.8		120226.443	
7	60.4		109647.820	
8	61.2		131825.674	
9	62.5		177827.941	
10	62.9		194984.460	

* The equivalent Noise Level Leq. 61.50 dB(A)

Maximum dB(A): 62.9

Minimum dB (A): 60.2

[Signature]

Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debashis Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: IC/FM/59



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/684
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.

Sample Ref. No. : SL/684
Report Date : 15.10.19
Date of Monitoring : 11.10.19

Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Near Stock Yard
Limit : Industrial Area Night Time : 70 dB (A)
Commercial Area Night Time : 55 dB (A)
Residential Area Night Time : 45 dB (A)

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M

Starting Time : 10:30 PM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	59.0	0.11111111	79432.823	372517.972
2	54.8		30199.517	
3	55.2		33113.112	
4	54.3		26915.348	
5	54.9		30902.954	
6	55.6		36307.805	
7	55.7		37153.523	
8	54.1		25703.958	
9	55.9		38904.514	
10	55.3		33884.416	

* The equivalent Noise Level Leq. 55.71 dB(A)

Maximum dB(A): 59.0

Minimum dB (A): 54.1

Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debashis Haider
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/59

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/685
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.
Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Back Side of the Plant
Limit : Industrial Area Day Time : 75 dB (A)
Commercial Area Day Time : 65 dB (A)
Residential Area Day Time : 55 dB (A)

Sample Ref. No. : SL/685
Report Date : 15.10.19
Date of Monitoring : 11.10.19

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M

Starting Time : 11:30 AM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	66.2	0.11111111	416869.383	5252537.710
2	66.3		426579.519	
3	67.2		524807.460	
4	68.0		630957.344	
5	66.9		489778.819	
6	67.3		537031.796	
7	67.8		602559.586	
8	68.3		676082.975	
9	67.0		501187.234	
10	66.5		446683.592	

* The equivalent Noise Level Leq. 67.20 dB(A)

Maximum dB(A): 68.3

Minimum dB (A): 66.2

.....
Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debashis Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/59

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)
HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

© : 03224-275765, ☎ : 9434017584, 9232395890, 7797506973
E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/686
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.

Sample Ref. No. : SL/686
Report Date : 15.10.19
Date of Monitoring : 11.10.19

Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Back Side of the Plant
Limit : Industrial Area Night Time : 70 dB (A)
Commercial Area Night Time : 55 dB (A)
Residential Area Night Time : 45 dB (A)

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M

Starting Time : 10:45 PM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	53.2	0.11111111	20892.961	289330.098
2	53.6		22908.677	
3	54.2		26302.680	
4	55.0		31622.777	
5	55.3		33884.416	
6	53.9		24547.089	
7	54.6		28840.315	
8	55.6		36307.805	
9	54.0		25118.864	
10	55.9		38904.514	

* The equivalent Noise Level Leq. 54.61 dB(A)

Maximum dB(A): 55.9

Minimum dB (A): 53.2

.....
Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debasish Haider
(Sr. Chemist)
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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevapur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

FORMAT NO.: ICI/FM/59

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/687
Issued To : M/s. Ramco Industries Ltd
Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.
Sample Description : Ambient Noise
Sampling Method : By Digital Noise Meter
Test Method : IS 4954:1968 (RA 2014)
Location : Near Scrap Yard
Limit : Industrial Area Day Time : 75 dB (A)
Commercial Area Day Time : 65 dB (A)
Residential Area Day Time : 55 dB (A)

Sample Ref. No. : SL/687
Report Date : 15.10.19
Date of Monitoring : 11.10.19

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M
Distance of Source : 3.0 M

Starting Time : 11:45 AM
Total Time (T) : 18 Min
Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	64.2	0.11111111	263026.799	3099959.466
2	64.9		309029.543	
3	65.2		331131.121	
4	65.0		316227.766	
5	65.7		371535.229	
6	64.0		251188.643	
7	65.1		323593.657	
8	64.3		269153.480	
9	65.6		363078.055	
10	64.8		301995.172	

* The equivalent Noise Level Leq. 64.91 dB(A)

Maximum dB(A): 65.7

Minimum dB (A): 64.0

[Signature]

Checked By

End of Report

For, INDICATIVE CONSULTANT INDIA

Debasish Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.



UAM No. (MSME)
WB12E0004183

INDICATIVE CONSULTANT INDIA



FORMAT NO.: ICI/FM/59

(CONSULTANT, SURVEYOR & REGD. TEST HOUSE)

HPL Link Road, Basudevpur, Khanjanchak,
Haldia, Purba Medinipur, PIN-721602

☎ : 03224-275765, 📠 : 9434017584, 9232395890, 7797506973

E-mail : jayantasarkar67@gmail.com, indicativeconsultantindia@gmail.com, Website : www.indicativeconsultantindia.com

TEST REPORT

Sample is drawn by M/s. Indicative Consultant India

Report No. : ICI/SL/19-20/688

Issued To : M/s. Ramco Industries Ltd

Address : Dewanmara Ayma, P.O. - Hariatara,
Kharagpur, Dist. - Paschim Medinipur.

Sample Description : Ambient Noise

Sampling Method : By Digital Noise Meter

Test Method : IS 4954:1968 (RA 2014)

Location : Near Scrap Yard

Limit : Industrial Area Night Time : 70 dB (A)

Commercial Area Night Time : 55 dB (A)

Residential Area Night Time : 45 dB (A)

The Noise Pollution (Regulation & Control) Rules, 2000

Gazette of India, vide S.O. 50 (E) dated 11.01.2010 under the EPA Act, 1986

Monitoring Details :

Height from the floor : 1.5 M

Distance of Source : 3.0 M

Starting Time : 11:00 PM

Total Time (T) : 18 Min

Difference (dt) : 2 Min

Sl. No.	Noise Level (Li)	ft = dt/T	ft X 10 ^{^(Li/10)}	Sum of ft X 10 ^{^(Li/10)}
1	49.0	0.11111111	7943.282	113149.341
2	49.2		8317.638	
3	49.8		9549.926	
4	50.2		10471.285	
5	51.8		15135.612	
6	50.3		10715.193	
7	51.7		14791.084	
8	49.9		9772.372	
9	50.4		10964.782	
10	51.9		15488.166	

* The equivalent Noise Level Leq. : 50.54 dB(A)

Maximum dB(A): 51.9

Minimum dB (A): 49.0

Checked By

..... End of Report

For, INDICATIVE CONSULTANT INDIA

Debashis Halder
(Sr. Chemist)

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 same format without the approval of the laboratory.